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Ontario. Legislative Assembly

SESSIONAL PAPERS

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VOLUME XXXVI.—PART III.

SECOND SESSION OF TENTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO.

SESSION 1904.

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PRINTED AND PUBLISHED BY L. K. CAMERON,
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1904.

LIST OF SESSIONAL PAPERS.

ARRANGED ALPHABETICALLY.

Title.	No.	Remarks.
Accounts, Public	1	*Printed.*
Addington, colonization roads, expenditure in	76	*Not printed.*
Algoma Central and Hudson Bay Railway. Papers *in re* guarantee	85	*Printed.*
Appeal, Court of, Judgment, Lord's Day, profanation of	94	"
Agricultural College, Report	14	"
Agricultural and Experimental Union, Report	15	"
Archives, Report	48	"
Asylums. Report	38	"
Backus, Edward W., agreement with	71	*Not printed.*
Bee-keepers Association, Report	20	*Printed.*
Births, Marriages and Deaths, Report	9	"
Blind Institute, Report	41	"
Brockville Children's Aid Society, correspondence	81	*Not printed.*
Canadian Co-operative Alliance, Report	61	*Not printed.*
Carleton County, violation of License Act	83	"
Children, Neglected, Report	43	*Printed.*
Coats, William, Registrar of Huron	77	*Not printed.*
Colonization Roads expenditure in Addington	76	"
Consolidated Lake Superior Coy	85	*Printed.*
Copyrighted selections from authors	86	*Not printed.*
Cowan, W. S., correspondence *re* dismissal of	69	"
Crown Lands, Report	3	*Printed.*
Dairymen's Association, Report	22	*Printed*
Deaf and Dumb Institute, Report	42	"
Division Courts, Report	33	"
Education, Report	12	*Printed.*
" Orders-in-Council, Department of	50	*Not printed.*
" Students admitted to Normal Schools	66	"
" Copyrighted selections etc	86	"
" Names of Public School Inspectors	91	"
Elections, Return from Records	46	*Printed.*
" Orders *re* trials of Petitions	64	*Printed for distribution only.*
Entomological Society, Report	19	*Printed.*
Estimates, 1904	2	"

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Factories, Reports of Inspectors	8	*Printed.*
Fairs and Exhibitions, Ontario	26	"
Farmer's Institutes, Report	25	"
Fisheries, Report	31	"
" pound net fishing, Cape Hurd	58	*Not printed.*
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" pound net fishing, Killarney and Little Current	90	"
Forestry, Report	4	*Printed.*
" Department of, in University	88	*Not printed.*
Fruit Experimental Stations, Report	17	*Printed.*
" Growers Association, Report	16	"
Fumigation Appliances, Report	18	"
Game Commission, Report	30	*Printed.*
Gaols, Prisons, Report	39	"
Health, Report	36	*Printed.*
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Legal Offices, Report	34	"
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" forms of application	59	*Not printed.*
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Lunatic Asylums, Report	38	"

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Mines, Report	5	*Printed.*
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Ontario County, salary of gaoler	70	*Not printed.*
Ontario Fairs, Report	26	*Printed.*
Ontario Mining Co'y. *vs.* Seybold *et al*	93	"
Oxford County, Reformatory	55	*Not printed.*
Paper Supply, Order-in-Council	49	*Printed.*
Peoples' Life Insurance Co'y., capital stock	82	*Not printed.*
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Queen Victoria Niagara Falls Park, Report	6	*Printed.*
" , payments	84	*Not printed.*
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Registrar General, Report	9	*Printed.*
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San Jose Scale Act, payments	87	*Not printed.*
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" , guaranty papers	85	*Printed.*
Savings Banks in Schools	73	*Not printed*
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" , expenditures	72	"
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Toronto University, Report	13	"
" correspondence *re* Physical Laboratory and Forestry Department	88	*Not printed.*
Women's Institutes, Handbook	21	*Printed for distribution only.*

LIST OF SESSIONAL PAPERS.

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No. 1 . . . Public Accounts of the Province for the year 1903. Presented to the Legislature, February 4th 1904. *Printed.*

No. 2 . . . Estimates for the service of the Province until the Estimates of the year are finally passed. Presented to the Legislature, 28th January, 1904. *Not Printed.* Estimates for the year 1904. Presented to the Legislature, 5th February, 1904. *Printed.* Estimates for the service of the Province until the Estimates of the year are finally passed. Presented to the Legislature, 29th March, 1904. *Not Printed.* Estimates (Supplementary) for the year 1904. Presented to the Legislature, 23rd April, 1904. *Printed.*

No. 3 . . . Report of the Commissioner of Crown Lands for the year 1903 Presented to the Legislature, 14th March, 1904. *Printed.*

No. 4 . . . Report of the Clerk of Forestry for the year 1903. Presented to the Legislature, 7th April, 1904. *Printed.*

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No. 5 . . . Report of the Bureau of Mines for the year 1903. Presented to the Legislature, 18th March, 1904. *Printed.*

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No. 6 . . . Report of the Commissioners of the Queen Victoria Niagara Falls Park, for the year 1903. Presented to the Legislature, 8th February 1904. *Printed.*

No. 7 . . . Report of the Commissioner of Public Works for the year 1903. Presented to the Legislature, 22nd February, 1904. *Printed.*

No. 8 . . . Report of the Inspectors of Factories for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 9 . . . Report relating to the registration of Births, Marriages and Deaths for the year 1902. Presented to the Legislature, 4th February, 1904. *Printed.*

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No. 10 . . Report of the Inspector of Insurance, for the year 1903. Presented to the Legislature, 7th April, 1904. *Printed.*

No. 11 . . Loan Corporations. Statements by Building Societies, Loan and other Companies, for the year 1903. Presented to the Legislature, 7th April, 1904. *Printed.*

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No. 12 . . Report of the Minister of Education, Parts I and II, for the year 1903, with the Statistics of 1902. Presented to the Legislature, 10th February, 1904. *Printed.*

No. 13 . . Auditors' Report to the Board of Trustees, University of Toronto, on Capital and Income Accounts, for the year ending 30th June, 1903. Presented to the Legislature, 4th February, 1904. *Printed.*

No. 14 . . Report of the Ontario Agricultural College and Experimental Farm, for the year 1903. Presented to the Legislature, 30th March, 1904. *Printed.*

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No. 15 . . Report of the Ontario Agricultural and Experimental Union of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 16 . . Report of the Fruit Growers' Association of the Province, for the year 1903. Presented to the Legislature, 15th April, 1903. *Printed.*

No. 17 . . Report of the Fruit Experiment Stations of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed*

No. 18 . . Report of the Inspector of Fumigation Appliances of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 19 . . Report of the Entomological Society, for the year 1903. Presented to the Legislature, 14th March, 1904. *Printed.*

No. 20 . . Report of the Bee-Keepers' Associations of the Province, for the year 1903 Presented to the Legislature, 15th April, 1904. *Printed.*

CONTENTS OF VOL. VII.

No. 21 . . Hand-book for the use of Women's Institutes in Ontario. Presented to the Legislature, 10th February, 1904. *Printed for distribution only.*

No. 22 . . Reports of the Dairymen's Associations of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 23 . . Reports of the Live Stock Associations of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 24 . . Report of the Registrar of Live Stock of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 25 . . Report of the Farmers' Institutes of the Province, for the year 1903. Presented to the Legislature, 10th February, 1904. *Printed.*

No. 26 . . Report of Ontario Fairs and Exhibitions of the Province, for the year 1903. Presented to the Legislature, 10th February, 1904. *Printed.*

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No. 27 . . Report of the Bureau of Industries of the Province, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 28 . Report of the Commissioner of Highways, for the year 1903. Presented to the Legislature, 7th March, 1904. *Printed.*

No. 29 . . Report of the Bureau of Labour, for the year 1903. Presented to the Legislature, 24th March, 1904. *Printed.*

No. 30 . . Report of the Ontario Game Commission, for the year 1903. Presented to the Legislature, 26th February, 1904. *Printed.*

No. 31 . . Report of the Department of Fisheries, for the year 1903. Presented to the Legislature, 5th April, 1904. *Printed.*

No. 32 . . Report of the Temiskaming and Northern Ontario Railway Commission, for the year 1903. Presented to the Legislature, 10th February, 1904. *Printed.*

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No. 33 . . Report of the Inspector of Division Courts, for the year 1903. Presented to the Legislature, 11th February, 1904. *Printed.*

No. 34 . . Report of the Inspector of Legal Offices, for the year 1903. Presented to the Legislature, 14th April, 1904. *Printed.*

No. 35 . . Report of the Inspector of Registry Offices, for the year 1903. Presented to the Legislature, 15th April, 1904. *Printed.*

No. 36 . . Report of the Provincial Board of Health, for the year 1903. Presented to the Legislature, 15th February, 1904. *Printed.*

No. 37 . . Report of the Secretary and Registrar of the Province, for the year 1903. Presented to the Legislature, 14th March, 1904. *Printed.*

No. 38 . . Report upon the Lunatic and Idiot Asylums of the Province, for the year ending 30th September, 1903. Presented to the Legislature, 26th February, 1904. *Printed.*

No. 39 . . Report upon the Prisons and Reformatories of the Province, for the year ending 30th September, 1903. Presented to the Legislature, 24th March, 1904. *Printed.*

No. 40 . . Report upon the Hospitals and Charities of the Province, for the year ending 30th September, 1903. Presented to the Legislature, 30th March, 1904. *Printed.*

No 41 . . Report upon the Institution for the Education of the Blind, Brantford, for the year ending 30th September, 1903. Presented to the Legislature, 8th February, 1904. *Printed.*

No. 42 . . Report upon the Institution for the Education of the Deaf and Dumb, Belleville, for the year ending 30th September, 1903. Presented to the Legislature, 8th February, 1904. *Printed.*

No. 43 . . Report of Superintendent. Neglected and Dependent Children of Ontario, for the year 1903. Presented to the Legislature, 22nd February, 1904. *Printed.*

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No. 44 . . Report upon the Inspection of Liquor Licenses, for the year 1903. Presented to the Legislature, 11th March, 1904. *Printed.*

No. 45 . . Report of the Provincial Municipal Auditor for the year 1903. Presented to the Legislature, 4th February, 1904. *Printed.*

No. 46 . . Return from the Records of the several Elections in the Electoral Divisions of Muskoka, Sault Ste. Marie and North Renfrew since the General Elections of May 29th, 1902, shewing: (1) The number of Votes polled for each candidate in the Electoral District in which there was a contest; (2) The majority whereby each successful Candidate was returned; (3) The total number of Votes polled in each District; (4) The number of Votes remaining unpolled: (5) The number of names on the Voters' Lists in each District; (6) The population of each District as shewn by the last census. Presented to the Legislature, 21st January, 1904. *Printed.*

No. 47 . . Report upon the state of the Library. Presented to the Legislature 14th January, 1904. *Not printed.*

No. 48 . . Report of the Archivist, Ontario, for the year 1903. Presented to the Legislature, 14th April, 1904. *Printed.*

No. 49 . . Copy of an Order in Council advising that the tender of the Riordon Paper Mills, Limited, for the supply of Paper to the Province, for the ensuing five years, be accepted. Presented to the Legislature, 4th February, 1904. *Printed.*

No. 50 . . Copy of an Order in Council in accordance with the provisions of section 9 of the Act, respecting the Education Department. Presented to the Legislature, 4th February, 1904. *Not printed.*

No. 51 . . Copy of an Order in Council, advising that the Agreement for renewal of Contract between Warwick Brothers and Rutter, with reference to the Printing and Binding for the Province, be approved. Presented to the Legislature, 4th February, 1904. *Printed.*

No. 52 . . Copy of an Order in Council, respecting the commutation of the Surrogate Court Fees of the County of Huron. Presented to the Legislature, 8th February, 1904. *Not printed.*

No. 53 . . Copy of an Order in Council, respecting the commutation of Surrogate Court Fees of the County of Bruce. Presented to the Legislature 4th February, 1904. *Not printed.*

No. 54 . . Copy of an Order in Council, respecting the commutation of the Surrogate Court Fees of the Counties of York and Wentworth. Presented to the Legislature, 4th February, 1904. *Not printed.*

No. 55 . . Return to an Order of the House of the tenth day of June, 1903, for a Return of copies of all correspondence between the Government, or any member or department thereof, and any other person or persons, respecting the establishment of a Reformatory in the County of Oxford. Presented to the Legislature, 4th February, 1904. Mr. *Sutherland. Not printed.*

No. 56 . . Return to an Order of the House of the fourth day of June, 1903, for a Return of copies of all correspondence, papers, documents, decisions and memoranda in any way relating to the Mining Locations H.W.696, H.W.697, H.W.698 and H.W.705, and particularly as to the southerly part of H.W. 697, containing thirteen acres, granted to one Gideon Lariviére, which locations, are situate on, or near the North Pay of Sturgeon Lake in the District of Thunder Bay. Presented to the Legislature, 4th February, 1904. Mr. *St. John. Not printed.*

No. 57 . . Return to an Order of the House, of the twelfth day of June, 1903, for a Return,—similar to that ordered by the British House of Commons on the 25th day of June, 1902, of reproductive undertakings operated by Municipal Boroughs in Great Britain—respecting waterworks, electric lighting plants, gas works and other public utilities operated by Municipalities in the Province of Ontario, also the rates charged the consumers in the various Municipalities of the Province for water, gas and electric lighting. Presented to the Legislature, 4th February, 1904. Mr. *Preston (Brant). Printed.*

No. 58 . . Return to an Order of the House, of the fourth day of June, 1903, for a Return of copies of all correspondence between the Minister, or Commissioner of Public Works, or Fisheries, or other officer, or *employe*, of or under them, or either the Departments of Public Works, or Fisheries, and any other person or persons, and also any order or directions, or papers, or entries respecting the

granting of licenses for pound net fishing, east of a line running from Cape Hurd to the mouth of the Spanish River, during the years 1899, 1900, 1901 and 1902, or either or any of them. Also, copies of all such licenses granted during the above years, or either, or any of them. Presented to the Legislature, 4th February, 1904. Mr. *Smyth.* *Not printed.*

No. 59 . . Return to an Order of the House, of the 8th day of June, 1903, for a Return of all copies of all forms of application or subscription for terminating stock and of all forms of certificates of such stock used by Loan Corporations doing business in the Province. Presented to the Legislature, 4th February, 1904. Mr. *Downey.* *Not printed.*

No. 60 . . Return to an Order of the House, of the fourth day of June, 1903, for a Return of copies of all correspondence, between the Metropolitan Power Company, or their Solicitors, and the Government for a grant of land under the waters of the Ottawa River, and all papers in connection therewith. Presented to the Legislature, 4th February, 1904. Mr. *Matheson.* *Not printed.*

No. 61 . Copy of an Order in Council and Report of Registrar of Loan Corporations in the matter of the Canadian Co-operative Alliance. Presented to the Legislature, 5th February, 1904. *Not printed.*

No. 62 . . Copy of an Order in Council respecting Surrogate Court Fees to be paid to His Honour Judge Holt. Presented to the Legislature, 10th February, 1904. *Not printed.*

No. 63 . . Copy of an Order in Council respecting Surrogate Court Fees to be paid to His Honour Judge Jamieson. Presented to the Legislature, 10th February, 1904. *Not printed.*

No. 64 . . General Rules and Orders made by the Court of Appeal for Ontario respecting the trial of Election Petitions pursuant to the Controverted Elections Act, R.S.O., 1897, cap. 11, and amending Acts. Presented to the Legislature, 12th February, 1904. *Printed.* *For distribution only.*

No. 65 . . Return to an Order of the House, of the eighth day of February, 1904, for a Return shewing the names of all persons at Sault Ste. Marie, or elsewhere, who have been paid by the Government under the decision, or determination, to pay the wages of workmen at Sault Ste. Marie, and showing also the amount paid in each case and the nature of the claim in each case. Presented to the Legislature, 15th February, 1904. Mr. *Whitney.* *Printed.*

No. 66 . . Return to an Order of the House, of the tenth day of February, 1904 for a Return shewing the number of students admitted to (a) the Normal Schools of the Province since September, 1903. (b) How many (if any) of such students, prior to admission, taught less than twelve months in a Public School and (c) How many (if any) did not attend a Model School course and secured a certificate of competency therefrom. Presented to the Legislature, 16th February, 1904. Mr. *Hoyle.* *Not printed.*

No. 67.. Copy of an Order in Council, commuting the fees of F. H. MacDonald, Local Master at St. Catharines. Presented to the Legislature, 18th February, 1904. *Not printed.*

No. 68... Return to an Order of the House of the twenty sixth day of June, 1903, for a Return shewing:—1. The total area of Crown Lands under timber License. 2. The total area of Crown Lands under timber License in arrears. 3. The number of timber Licenses in arrear, their locations, respective areas, the names of those persons so in arrears, and the amounts that each of such persons are in arrear, and for what respectively. 4. The number of timber Licenses cancelled since and including 1891, and the number of acres of Licenses so cancelled. 5. The nature and extent of the securities (if any) held by the Government, for payment of such areas, and, the names of the persons so giving security. 6. The number of timber Limits disposed of otherwise than by Public Auction, since and including the year 1891, specifying the details thereof, as to time, place, person and prices respectively. 7. The number of pieces of saw-logs cut under License in the Province of Ontario, each year since and including 1891; the aggregate quantity of lumber, board measure, returned to the Crown Lands Department for each of the said years since and including 1891; the amount of Crown dues collected for each of the said years from the lumber cut, giving the quantity for each separate price charged for dues. 8. The number of pieces of waney or board timber cut under license in each of the said years and the aggregate quantity of cubic feet and the amount of Crown dues collected on the same. 9. The number of pieces of square timber cut and the quantity of cubic feet returned as contained in same and the amount collected for each of the said years thereon, for Crown dues. Presented to the Legislature 18th February, 1904, Mr. *St. John. Printed.*

No. 69.. Return to an Order of the House of the fifteenth day of February, 1904, for a Return of copies of all complaints received by the License Department against W. S. Cowan, formerly inspector of licenses for South Wellington; also, for a copy of the report of the investigation into such complaints, including the evidence; also, for a copy of the report of the Inspector who investigated the complaints, and also, for a copy of all correspondence touching the dismissal of the said W. S. Cowan. Presented to the Legislature, 22nd February, 1904. Mr. *Downey. Not printed.*

No. 70.. Return to an Order of the House of the nineteenth day of February, 1904, for a Return of copies of all correspondence between the Inspector of Prisons and Charities, or other official of the Government, and the County of Ontario, having reference to the salary of the County Gaoler. Presented to the Legislature 22nd February, 1904. Mr. *Hoyle. Not printed.*

No. 71.. Copy of Memorandum of Agreement between His Majesty, represented by the Commissioner of Crown Lands and Edward Wellington Backus, of the City of Minneapolis. Presented to the Legislature 23rd February, 1904. *Not printed.*

No. 72.. Return to an Order of the House of the twelfth day of February, 1904, for a Return, shewing in the same detail as in the Public Accounts of the Province, all expenditures up to 31st December, 1903, on account of the Temiskaming and Northern Ontario Railway, giving in detail the amount paid, to whom and on what account. And, in the case of the payments to the contractors for the building of the road—shewing all the quantities of rock and other material moved : masonry constructed and generally, all quantities on which payments are based, with the amount paid therefor upon each section of road. Presented to the Legislature, 29th February, 1904. Mr. *Matheson. Printed.*

No. 73.. Return to an Order of the House of the nineteenth day of February 1904, for a Return of copies of all correspondence between the Government, or any officials thereof, and any person or persons, regarding the establishment of Savings Banks in connection with the Schools of the Province. Presented to the Legislature, 29th February, 1904. Mr. *Preston (Brant.) Not printed.*

No. 74.. Return to an Address to His Honour the Lieutenant-Governor of the twenty-second day of February, 1904, praying that he will cause to be laid before this House, a Return of copies of all Orders in Council with reference to the payment of *employes* at Sault Ste. Marie, together with copies of all correspondence previous to, after and in any way relating to such payments. Presented to the Legislature, 1st March, 1904. Mr. *Whitney. Printed.*

No. 75 .. Return to an Order of the House of the twenty-sixth day of February, 1904, for a Return of copies of all correspondence with the Government, or other person, relating to the appointment of one Kelly, as constable, or peace officer, in and about Killarney, together with copies of all correspondence between the Government and one Charles Noble in connection therewith. Presented to the Legislature, 1st March, 1904. Mr. Gamey. *Not printed.*

No. 76 .. Return to an Order of the House of the twenty-fourth day of February, 1904, for a Return of copies of all correspondence, papers and pay sheets, between the Government, or any member or official thereof, in connection with the expenditure of all moneys expended last year, on Colonization Roads in the County of Addington. Presented to the Legislature, 1st March, 1904. Mr. Reid. *Not printed.*

No. 77 .. Return to an Order of the House of the twelfth day of February, 1904, for a Return of copies of all correspondence between the Government or any member, or official thereof, or persons on its behalf, and any other person or persons in connection with the appointment of William Coats, as Registrar of the County of Huron. Presented to the Legislature, 7th March, 1904. Mr. Eilber. *Not printed.*

No. 78 .. Statement of distribution of Revised and Sessional Statutes up to 31st December, 1903. Presented to the Legislature, 9th March, 1904. *Not printed.*

No. 79 .. Return to an Order of the House of the twenty-ninth day of February 1904, for a Return shewing: 1. The amount of money paid as Railway Subsidies from 1867 up to and inclusive of 1903. 2. The name of each Railway and the amount paid as Subsidy thereto. 3. The amount of money voted for Railway Subsidies, but not yet earned. 4. The amounts in acres voted and set apart as Land Grants, during the same period. 5. The names of all Railways which have earned the apportionment of land so set apart. 6. The amount in process of being earned. Presented to the Legislature, 9th March, 1904. Mr. Preston, (Durham.) *Not printed.*

No. 80.. Return to an Order of the House of the Seventh day of March, 1904, for a Return, shewing the number of Saloon Licenses in the different Cities of the Province during the years 1901 and 1903. Also, the number of Saloon Licenses in the Towns of the Province, during the same period. Also, the number of Wholesale Licenses granted in rural municipalities, in the Province, during the same, period. Presented to the Legislature, 10th March, 1904. Mr. *Barr. Not printed.*

No. 81 .. Return to an Order of the House of the Eleventh day of March, 1904 for a Return of copies of all correspondence, between the Government, or any official thereof, and the President of the Children's Aid Society of Brockville, or any other person or persons, in reference to the arrest and imprisonment of certain young lads in 1902, 1903 and 1904. Presented to the Legislature, 18th March, 1904. Mr. *Graham. Not printed.*

No. 82 .. Return to an Address to His Honour, the Lieutenant-Governor, of the fourth day of March, 1904, praying that he will cause to be laid before this House, a copy of all Orders-in-Council, authorizing or permitting an increase in the capital stock of the Peoples' Life Insurance Company, during the last two years, together with copies of all correspondence in any way relating thereto. Presented to the Legislature, 24th March, 1904. Mr. *Gamey. Not printed.*

No. 83 .. Return to an Order of the House, of the twenty-fifth day of March, 1904, for a Return shewing the names of all persons convicted for violation of any of the provisions of the Liquor License Act in the County of Carleton during the years 1901, 1902 and 1903, with the amounts of fines and costs imposed in each case respectively and showing, as well, the particular offence of which they were convicted and dates of conviction. Presented to the Legislature, 29th March, 1904. Mr. *Kidd. Not printed.*

No. 84 .. Return to an Order of the House, of the twenty-fifth day of March. 1904, for a Return, in detail of all payment made by the Commissioners of the Queen Victoria Niagara Falls Park, for the year 1903. Presented to the Legislature, 29th March, 1904. Mr. *Jessop. Not printed.*

No. 85 .. Return to Orders of the House, of the fourteenth, twenty-first (two orders), and twenty-fifth days of March, 1904, for Returns shewing :—

1. The names of the various companies included in the Consolidated Lake Superior Companies, which the Government proposes to aid by the $2,000,000 guarantee. 2. The names of the secured creditors of each company and the amount of the claim of each and the security held by each. 3. The names of the unsecured creditors of each company and the amount of claim of each. 4. Shewing what portion of the Algoma Central Railway is already completed, how much partly constructed and what construction work has been done on the part incomplete. 5. Shewing what portion of the road has been operated and what net earnings, if any, it has shewn. 6. The names of the vessels which it is proposed to give the Province as security, with statement shewing what these vessels have earned, net, in the hands of the Companies. Also, shewing full particulars of all claims, charges, judgments and priorities chargeable against the Superior Consolidated Companies and the Algoma Central Railway; the names of all the creditors and the nature and amount of their respective claims, and particulars of all assets on which are based, and subject to which it is the intention of the Government to guarantee the sum of $2,000,000 to such companies as embodied in the Bill introduced to this House, before the second reading of such Bill. Also, shewing: 1. What lands and securities are governed by the Lien of Messieurs James Conmee, M.P.P., and Charles M Bowman, M.P.P., against the Algoma Central and Hudson Bay Railway Company, for upwards of $400,000, dated on or about the 22nd day of September, 1903. 2. Whether the judgment of James Conmee, M.P.P., and Charles M. Bowman, M.P.P., against the Algoma Central and Hudson Bay Railway Company for upwards of $400,000, and dated on or about the 12th day of October, 1903, is still a charge on the assets of this company. 3. And shewing the amount of the said Judgment at the present time. And also, shewing the names of the allied industries referred to in section 1 of Cill (No. 129), Respecting Aid to the Algoma Central and Hudson Bay Railway. 2. A copy of the Mortgage referred to in subsection 1 of said section 1. 3. A copy of the Mortgage referred to in subsection 2 of said section 1. 4. A copy of the Promissory Note referred to in subsection 3 of said section 1. 5. A copy of the Stock Certificates of the Stock referred to in subsections 4 and 5 of said section 1. 6. A copy of the Trust Deed, or any draft thereof, referred to in section 2. 7. A copy of the Guaranty referred to in section 3. 8. Shewing what amount is referred to in subsection 3 of section 4. 9. How many Directors are provided for the re-organized Company. 10. A copy of the Deed, or any draft thereof, referred to in subsection 10 of section 4. 11 A copy of the plan of re-organization referred to in subsection 11 of section 4. Presented to the Legislature, 11th April, 1904. Messieurs *Hanna* and *Pyne*. *Printed.*

No. 86 . . Return to an Order of the House, of the sixteenth day of March, 1904, for a Return shewing the copyrighted selections and extracts from authors, used in the authorized text-books of the Public Schools, indicating in each case, the pages and the names of the persons or company controlling the copyrights. Presented to the Legislature, 7th April, 1904. Mr. *Nesbitt*. *Not printed.*

No. 87 . . Return to an Order of the House, of the second day of March, 1904, for a Return, shewing all payments under the San Jose Scale Act, as follows:—1st. Amount paid to the owners of trees destroyed. 2nd. Amount paid to officers of the Province for enforcing the Act, and 3rd. In what Counties the trees were destroyed. Presented to the Legislature, 7th April, 1904. Mr. *Lee*. *Not printed.*

No. 88 . . Return to an Order of the House of the fourteenth day of March 1904, for a Return, giving copies of all correspondence between any person or official, on behalf of the University of Toronto and any member of the Government, with reference to the construction of a Physical Laboratory for the University. Also, copies of the Statute of the Senate of the University providing for the establishment of a Department of Forestry in the University, together with copies of all correspondence relating to the establishment of such Department. Presented to the Legislature, 7th April, 1904. Mr. *Whitney*. *Not printed.*

No. 89 . . Return to an Order of the House of the sixteenth day of March, 1904, for a Return of copies of all correspondence between the Government, or any Official thereof, and any person or persons, regarding the issue of licenses for the use of pound nets on Lake Nipissing. Presented to the Legislature, 8th April, 1904. Mr. *Little (Cardwell.)* *Not printed.*

No. 90 . . Return to an Order of the House of the Eleventh day of March, 1904, for a Return of copies of all correspondence between the Government, or any official thereof, and any other party or parties regarding the issue of pound-net fishing licenses in 1902 and 1903 in the waters between Killarney and Little Current, known as the North Channel. Presented to the Legislature 8th April, 1904. Mr. *Gamey*. *Not printed.*

No. 91 . . Return to an Order of the House of the sixteenth day of March, 1904, for a Return giving the names of Public School Inspectors since 1870, in Ontario. Also, the class of certificates they hold, or held, and shewing as well, the standing which each one obtained on their respective examinations entitling them to act as Inspectors of Public Schools. Presented to the Legislature, 20th April, 1904. Mr. *Gamey*. *Not printed.*

No. 92 . . Return to an Order of the House of the twenty-fifth day of March, 1904, for a Return of papers and all correspondence in connection with the issue of Patent for the south half of lot No. 8 in the 4th Concession of the Township of Hutton, in the District of Nipissing. Presented to the Legislature, 23rd April, 1904. Mr. *Matheson*. *Not printed.*

No. 93 . . Return to an Address to His Honour the Lieutenant-Governor of the twenty-second day of April, 1904, praying that he will cause to be laid before this House, a Return of a copy of the Judgment of the Judicial Committee of the Privy Council in the case of the Ontario Mining Company *et al.*, *vs.* Seybold *et al.*, together with a

copy of the agreement between Counsel for the Dominion of Canada and the Province of Ontario arising out of the argument of the said Appeal. Presented to the Legislature 23rd April, 1904. Mr. *Cameron (Huron.)* *Printed.*

No. 94 . . Return to an Address to His Honour the Lieutenant-Governor, of the twenty-second day of April, 1904, praying that he will cause to laid before the House, a Return of a copy of the Judgment of the Court of Appeal for Ontario, in answer to certain questions submitted, involving the validity of legislation by the Province respecting the profanation of the Lord's Day, and also the notes of argument and judgment of the Judicial Committee of the Privy Council upon the appeals thereto. Presented to the Legislature 23rd April, 1904. Mr. *Little (Norfolk.)* *Printed.*

Refectory Building, Queen Victoria Niagara Falls Park.

EIGHTEENTH ANNUAL REPORT

OF THE

Commissioners for the

Queen Victoria Niagara Falls Park

Ontario

For the Year 1903

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

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1904.

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Toronto, February 3rd, 1904.

The Hon. J. R. Stratton, M.P.P., Provincial Secretary, Province of Ontario, Parliament Building, Toronto.

Sir, I have the honor to transmit herewith for presentation to the Legislature of Ontario the Eighteenth Annual Report of the Commissioners for the Queen Victoria Niagara Falls Park, together with the appendices thereunto attached.

I have the honor to be, sir,

Your obedient servant,

J. W. LANGMUIR,

Chairman.

BOARD OF PARK COMMISSIONERS,

John W. Langmuir, Chairman
George H. Wilkes.
James Bampfield.
Archibald W. Campbell
Robert Jaffray.

Superintendent, James Wilson.
Chief Gardener, Roderic Cameron.

EIGHTEENTH ANNUAL REPORT OF THE COMMISSIONERS FOR THE QUEEN VICTORIA NIAGARA FALLS PARK.

To the Honorable W. Mortimer Clark, K.C., Lieutenant-Governor of the Province of Ontario :

May it please your Honor.

The Commissioners of the Queen Victoria Niagara Falls Park beg to submit their Eighteenth Annual Report (being for the year 1903), to which is appended the usual statement of receipts and expenditures, the Report of the Park Superintendent, and the text of several agreements which have been entered into during the year.

Before entering upon a record of their operations for the past season, the Commissioners desire to express their great regret at the loss sustained by their fellow-Commissioners of the New York State Reservation by the death during the year of the Hon. Thos. V. Welch, the Superintendent of the Reservation, and a few days later of the Hon. Andrew H. Green, the President of the Board, who died by the hands of an assassin. Both Mr. Green and Mr. Welch took a very active interest in promoting the establishment of the State Reservation, and both continued in their respective official capacities of President and Superintendent until their death took place during the year.

The several companies holding franchises for the development of water power above the Falls for commercial purposes have been actively engaged during the year in carrying on the very extensive operations required in their respective undertakings, and a brief reference to the distinctive features of each of the companies may be of interest.

Canadian Niagara Power Company.

The Canadian Niagara Power Company, which was the first to begin operations in the Park, has prosecuted with great energy its various works, with a view to the completion of the first instalment of its output within the time limit fixed by its agreement with the Commissioners. In their last Annual Report the Commissioners referred to the important decision arrived at by this company to complete the whole, instead of a portion only, of the various works connected with their intake, forebay, wheelpit, etc., etc., so as to provide water connections for the full ultimate capacity which the agreement with the company authorizes, and for which the plant had been designed, namely, 100,000 horse power, and further to actually install electrical machinery for an initial output of 50,000 electrical horse power, instead of 20,000, which the agreement requires to be ready for sale by the 1st July, 1904.

As this decision of the company would enable the earlier completion of the permanent grading and planting of the grounds in the vicinity of the works, as well as securing the very substantial advantage to the Province and users of power of providing for an additional 30,000 electrical horse power over what is called for by the agreement, the action of the company met with the cordial approval of the Commissioners. In addition to these advantages, the company will be in a position, as soon as the demand for power warrants it, to rapidly increase the output of the works up to the maximum development of 100,000 horse power by the addition of plant and machinery, and without again disturbing the surface of the park.

Seeing, however, that this greatly increased development over what is called for by the agreement entailed a vast amount of additional work upon the company, the early completion of which was so much to the advantage of the Park and the Province, the Commissioners considered the request of the Company for a six months' extension of the time limit fixed by the agreement (namely, from 1st July, 1904, to 1st January, 1905), for the first output of power, to be reasonable. The Commissioners have recommended the Government to grant the extension desired and to obtain such legislative approval therefor as may be required by the Statutes.

A more extended reference to the various works carried on by the Company during the year will be found in the Report of the Superintendent of the Park, hereto appended.

The Ontario Power Company.

The Ontario Power Company has made good progress in its extensive works. At the southern extremity of the Park the cofferdam, referred to in last year's Report, was found, on the unwatering of the river bed, to be insufficient for the purpose, and authority to construct a second cofferdam further up the stream was granted. This work has been completed, and a very large area of the river bed has been laid bare. Early in the season work was begun on the excavations for the forebay and water wall, and a large quantity of rock has been taken out, which is being utilized for the extensions of the Dufferin Islands. A long reach of the water wall, or gathering dam, which is to enclose the forebay on the river side has been completed. This work is of concrete, and appears to be of the most substantial character.

At the site of the gate house, where the excavations are deep, good progress has been made, and the long and deep cutting required for the pipe line to carry the water supply from the forebay at the Dufferin Islands under the surface of the Park to the Company's power house below the Falls has been practically completed, and some 500 feet in length of the great steel tube, 18 feet in diameter, have been put in place. There are to be three of these pipes ultimately, but as each is to carry water sufficient for the creation of about 50,000 electrical horse power, only one is to be put in at present.

At the site of the power house on the talus below the Falls, a great amount of material has been excavated, and a new wagon road leading to it has been constructed from the [illegible] up from the Maid of the Mist landing.

Upon a close examination of the cliffs overlooking the power house site, it was found that the exposed rock was in a more or less dangerous condition, and the Company made application to the Commissioner for permission to clean off the surface rock, removing all lose material, and to construct a water-tight revetment wall upon the top edge of the escarpment, so as to prevent the surface water running down the face of the cliffs. The work was authorized and has been completed, with the exception of the ornamental parapet [illegible] adjoining it.

Early in the year the Company requested a modification of the limits fixed by the agreement for the northerly extremity of the Company's works. As this change would ultimately necessitate the demolition of the building, originally used as a museum, but recently occupied in part as a restaurant and a shelter for the public, the removal of which structure the Commissioners had long desired, the request of the Company was favorably considered, and after extended negotiations an agreement was arrived at under which a slight extension of the pipe lines and also of the power house under the bank was authorized upon the following terms :

(a) The payment of the sum of $20,000 towards the cost of erecting a new refectory and shelter building, to take the place of the old museum.

(b) The construction of temporary quarters for the lessees of the Commissioners until the new building was prepared.

(c) The taking down of the museum building and sorting the materials.

(d) The sinking of a shaft through the rock at the Table Rock House, and the construction of an electric elevator from the top story of the building to a point 80 feet below the surface of the ground, and the driving of a new scenic tunnel from the foot of the shaft to a point behind the heavy falling water of the Horseshoe Falls.

The text of this agreement will be found in the appendix to this Report.

Electrical Development Company of Ontario

The franchise granted to Messrs. Wm. Mackenzie, H. M. Pellatt and Frederic Nicholls for a water power development in the Park, to which full reference was made in last year's Report, was subsequently transferred to a chartered company, in accordance with the terms of the agreement, under the title of The Electrical Development Company of Ontario, Limited. Preparatory to beginning its works of construction in the Park, this Company erected, with the approval of the Commissioners, a most substantial and ornate office building to provide quarters for the engineering and clerical staff. This building has been much admired for its attractive and serviceable appearance, and doubtless, when the new power house is built and it is no longer required by the Company, it will be found useful for Park purposes. As the Company selected the vicinity of Tempest Point for its power house and wheel pit location, and the wildest part of the rapids for the intake and gathering works, the construction of a cofferdam to unwater the riverbed at this point was immediately begun. This work has proved one of great magnitude, owing to the immense volume and rapid flow of the water, and the uneveness of the bed of the stream, particularly at the cascades. Notwithstanding these difficulties, this work has been successfully carried out, and is now nearly completed. Under the protection of this cofferdam, a secondary cofferdam has been constructed around the area to be excavated for the power house, and a considerable portion of the riverbed had been stripped down to the solid rock, and made ready for the sinking of the wheelpit.

As the outflow tunnel of this Company is wholly under the bed of the river, direct access to it by means of a shaft, as in the case of the Canadian Niagara Company's tunnel, could not be had. The Commissioners, therefore, authorized the sinking of a shaft on the shore, just north of the intake of the International Railway Company, and the driving of a drift or small tunnel from the bottom of the shaft out under the river bed to a point in the line of the main outflow tunnel, and with a cross drift to the face of the Falls to facilitate the disposal of waste material. This most interesting work has been successfully accomplished, and operations have now commenced on the main tunnel.

The Company has recently submitted for the approval of the Commissioners the preliminary plans, which it has had prepared by an eminent Canadian architect, for the power house in the Park, and which include the treatment proposed for the immediate surroundings of the power house building. From an examination of the half-tone plate, which is reproduced in this Report, it will be seen that the design is for a well-proportioned structure, suitable for the location, and exceedingly effective in its architectural treatment. The material is to be of Canadian granite, and the Commissioners are informed that no expense will be spared to have the buildings and surroundings conform to the highest esthetic taste.

Table Rock House and Dufferin Cafe.

The lease entered into with Messrs. Zybach & Brundage in 1893 for the right to take visitors under the Falls and for photo and other privileges in the Park, was made for a period of ten years, at a fixed rental, with right of renewal for another period of ten years at a rental to be agreed upon or to be fixed by arbitration. At the first ten-yearly period was about terminating, it became necessary to negotiate terms for either the abandonment of the lease or for a renewal undr such conditions as might be mutually satisfactory. The Commissioners have long felt, and often expressed, their conviction that it would be decidedly to the interest of the Park to have the two large structures known as Table Rock House and the Museum or Dufferin Cafe entirely removed, and only such shelters as might be absolutely necessary for the convenience and comfort of the visitors substituted. Upon negotiating with the lessees it was found impossible to arrive at a satisfactory arrangement upon which the Table Rock House could be removed, but in respect to the Dufferin Cafe, which is much the larger and more objectionable of the two structures, as it completely obstructs the views of the Falls from a large portion of the picnic grounds, an agreement was arrived at whereby provision was made for the entire removal of this unsightly building, and the substitution of accommodation in a new and modern shelter and refectory building in a less objectionable portion of the Park. It was also found that, owing to the continued recession of the Falls, aided in some measure by the filling of the foreshore at the edge of the Falls, the waters falling over the portal of the scenic tunnel had been cut off, and visitors could no longer go behind the "Sheet of Water." It became necessary, therefore, in order to preserve this feature of the franchise, to devise means by which visitors could be taken a considerable distance farther under the Falls, so as to reach the heavy falling water. After protracted negotiations, an agreement was made with the lessees for a renewal of the franchise for ten years, at an increased rental, and arrangements were concluded whereby a new scenic tunnel should be constructed from Table Rock House to a point well under the heavy sheet of water, with an electric elevator connecting the three floors of Table Rock House with the tunnel by means of a shaft, and the provision of temporary quarters for the lessees during the demolition of the Dufferin Cafe, all this work being performed by the Ontario Power Company, in accordance with its pipe line and power house agreement.

The text of the agreement made with Messrs. Zybach & Brundage, the lessees of the privileges, will be found in the appendix.

New Shelter and Refectory.

Reference has already been made to the new Shelter and Refectory Building required in substitution for the Museum Building. In order to obtain full information of the requirements of the public in this respect, and to see the most recent designs and judge of the facilities afforded by other Park Commissioners in respect to such structures, a deputation from the Board, accompanied by the Superintendent of the Park, spent a few days in the early part of the season visiting the Park systems in Chicago, Milwaukee and Minneapolis, and carefully inspected the appointments in each of these places. The information gained was of great assistance to the Board in working out the plans for the new building, the ground plan and general arrangement being patterned on the lines of the Humboldt Park Refectory in West Chicago, but adapted to the special needs of Niagara Falls.

The Refectory Building has been designed exclusively for the accommodation of the public, and provides spacious waiting rooms, with ample retiring and toilet conveniences

in connection therewith; dining-rooms and rooms for the accommodaton of picnic parties, where hot and cold water is furnished, and a room for the display of photographs and fancy goods. The building has a total frontage of one hundred and forty-five feet, and is one hundred and twenty feet in depth. It is constructed of boulder stone and green shingle work; the stone has been obtained chiefly from the bed of the Niagara River, where it has been unwatered for purposes of electrical development construction. Although the style of the architecture is distinctly modern, it has been modelled somewhat on the type of a Swiss Chalet. A prominent feature of the structure is a large corner tower which contains the main hall; the rest of the building is subordinate to and leads up to this main feature. This tower is also utilized for an outlook, which is reached from the main hall by means of a circular stairway. There is ample verandah accommodation, disposed in such a way as to command the best view of the Falls.

After duly advertisng for tenders, a local firm of contractors was awarded the contract for the completed building for the sum of $56,968, and the work is now well under way. The building is to be ready for occupation on the first day of June next.

Canadian Ship Building Company.

The remarkable growth of the carrying trade on the Great Lakes in recent years, and the consequent demand for vessels of large carrying capacity, has stimulated the ship building industry of the Province, and the Canadian Ship Building Company has been organized, and has acquired lands on the Upper Niagara River, between Bridgeburg and Black Creek, for the purpose of establishing a shipyard on a large scale. In order to secure the requisite space for the launching of modern vessels, it was found necessary to divert the "Chain Reserve" or highway which runs along the margin of the river around the shipyard proper, and an application was therefore made to the Commissioners for the privilege of so doing. The Company also desired the water lot, the property of the Crown, in front of their lands, in order to deepen the approaches to the docks and launching basins. As it was considered desirable to, in every way, facilitate the establishment of an industry likely to be of great and lasting benefit to the Province, and the municipal authorities did not object to the change, an agreement was entered into providing for the diversion of the road and the granting of the water lot in question, the Company to provide an eighty feet wide roadway across their property in lieu of the present road, and to pay a nominal sum yearly for the privilege.

The agreement will be found in the appendix to this report.

General Work.

The very extensive operations referred to in the previous part of this Report for the development of the water power have of necessity caused a great deal of disturbance of the surface of the Park, and since the commencement of the work of the Electrical Development Company practically the whole of the Park south of and including the picnic grounds have been in a chaotic condition. Owing to the magnitude of these works, immense quantities of earth and rock have to be taken from the excavations and disposed of, and enormous quantities of construction materials have to be brought in the Park ground and stored ready for use in the various structures. As far as is practicable, the surplus material from the excavations is being used in developing the Park surface and in extending its areas by reclaiming from the river portions of the foreshore. At the Dufferin Islands a series of cascades are being formed in the channels dividing the islands, and with a view to the restoration of natural effects a group of small islands is being added to

those now in existence. The Commissioners are also arranging for the removal of the high steel railway bridges as well as the single way carriage Suspension Bridges, and the substitution of stone and cement arch structures, which will be more in harmony with the character to be given this portion of the Park. The vast scope of the works in process will, of course, require a considerable length of time for their full completion, and the Commissioners do not expect that the Park surface can be completely restored over this extended area for two or possibly three years. They confidently expect, however, that before the close of this year a large part of the territory now occupied by the Canadian Niagara Power Company, and some of that in possession of the Ontario Company, will have been graded and surfaced and made ready for sowing or planting.

The Commissioners have no hesitation in asserting that when these works are all completed the scenic characteristics of all this portion of the Park will be vastly improved, and the whole environment of the Falls on the Canadian side will be rendered tenfold more interesting and instructive to visitors.

North of the Picnic Ground the Park has been maintained in good order throughout the year, and has afforded pleasure and delight to a greater number of excursion and picnic parties than ever before.

The usual operations of maintenance and improvement have been carried on at Niagara Glen and at Queenston Heights Park, and at Fort Erie a beginning has been made to the restoration of this newly acquired Park by the erection of a neat fence enclosing the [illegible] and by repairs made to the walls of this historic Old Fort.

The several field works which have been carried on during the year are referred to at length in the accompanying Report of the Superintendent of the Park.

The statement of the receipts and expenditures for the year will be found attached hereto.

All which is respectfully submitted.

J. W. LANGMUIR,
Chairman.
GEORGE H. WILKES,
JAS. BAMPFIELD,
A. W. CAMPBELL,
ROBERT JAFFRAY.

Receipts.

Balance on hand in Imperial Bank, January 1st, 1903		$11,710 85
Electrical Development Co., rental, 2 years	$30,000 00	
Canadian Niagara Power Co, rental, 2 years	15,000 00	
International Railway Co., rental, 2 years	10,000 00	
Z[illegible] Bridges, rental, 2 years	10,166 67	
[illegible] Power Co., on account Refectory building	20,000 00	
W[illegible] Privileges	423 00	
Tolls and Sundries	532 07	
Bank interest on balances	1,263 77	87,385 51
		$99,096 36

Note.—There is also on hand a special deposit of $25,000 by the Electrical Development Co. to meet cost of wing dams at intakes of Canadian Niagara Power Company, and at joint intake of International Railway and town of Niagara Falls.

Expenditures.

Capital Account.			
Paid wages, permanent works account		$1,233 97	
Paid materials, permanent works account		3,965 08	
Paid lands account		50 78	
Paid Expert Engineering opinion :			
I. Randolph	1,103 90		
R. Douglas	555 00		
P. N. & L. L. Numm	1,000 00		
		2,658 90	
Paid account legal services		1,838 30	
Paid Refectory building		11,087 75	$20,834 78
Maintenance Account.			
Paid Salaries—Office and clerical staff		$4,561 97	
Paid Salaries—Constables and Gardener		5,020 33	
Paid wages of laborers and teams		9,222 20	
Paid for materials		3,594 50	
Paid office expenses		393 85	
Paid Commissioners' expenses		922 32	
Paid Miscellaneous		1,490 92	
			25,206 09
Paid Interest on Bonds, including Bank charges			24,147 01
Paid Honorarium, granted by Order-in-Council			5,000 00
Credit balance in Imperial Bank			21,908 48
			$99,069 36

APPENDIX "A"

Copy of an Order-in-Council, Approved by His Honor the Lieutenant-Governor, the 6th day of March, A.D., 1903.

The committee of council has had under consideration the report of the Honorable, the Provincial Treasurer, dated 3rd March, 1903, wherein he states that Mr. J. W. Langmuir has served seventeen years without remuneration as Commissioner of the Queen Victoria Niagara Falls Park, for the last ten years of which period he has been Chairman of the Board, and has been unremitting in his attention to the duties of his office. Owing very largely to his sagacity and foresight he has successfully negotiated an agreement for the installation of three corporations for the development of electrical energy, from which the Park realizes annually a rental of nearly sixty thousand dollars ($60,000), and which when operated to their full capacity will yield a rental of over two hundred thousand dollars ($200,000) a year. It is quite apparent that this could not have been accomplished without more than ordinary business sagacity, and without having drawn very largely upon Mr. Langmuir's time. In addition, it may be stated that the Park has been in every respect kept up to a very high standard of excellence and beauty, and is the admiration of visitors from all parts of the world.

In view of these exceptional services, and the advantages to the Province therefrom, the Treasurer recommends that the Park Commissioners be authorized out of the accumulated funds in the Treasury of the Board of Commissioners to reward Mr. Langmuir by an honorarium of five thousand dollars ($5,000) as a slight consideration for his valuable services.

The committee concur in the recommendation of the Treasurer and advise that the same be acted on.

Certified.

(Sgd.) J. LONSDALE CAPREOL,
Asst C. E. C.

Referring to the foregoing order-in-Council, the other members of the Board passed the following resolution :

It was resolved that this Board of Commissioners of the Queen Victoria Niagara Falls Park desire to express their appreciation of the action of the Ontario Government in passing an Order-in-Council, asknowledging the valuable services rendered to the Government and to the country by J. W. Langmuir, Esquire, during his long connection with the Board of Commissioners, and particularly the services rendered by him while Chairman of the Board. While recognizing that the Government, in acknowledging these services by Order-in-Council, has offered an exceptional tribute to Mr. Langmuir, the members of the Board are also much pleased that this expression of appreciation is accompanied by an honorarium. During Mr. Langmuir's Chairmanship, the Park territory has been extended, and franchises have been granted for the development of electric power within the Park, involving an outlay of nearly $15,000,000. All negotiations with respect to power development have been dealt with through the Park Commission.

Mr. Langmuir's well-known ability and integrity attracted large investors, commanded confidence, smoothed and aided negotiations, and has done much to hasten the era of manufacturing development at Niagara, and the utilization of this enormous power for the country's welfare. We especially appreciate his consistent and skillful adherence to the necessity of harmonizing these works with the majesty of nature. The wide experience of the Chairman in dealing with large financial problems, his discernment and grasp of details, as well as of the larger issues involved, have been untiringly and earnestly devoted to the furtherance of the public interests placed under his guidance, in treating with these vast industrial enterprises. It has therefore given Mr. Langmuir's colleagues on this Board of Park Commissioners the greatest pleasure to act in accordance with the foregoing Order-in-Council.

APPENDIX "B."

REPORT OF THE SUPERINTENDENT OF THE PARK.

To the Commissioners of the Queen Victoria Niagara Falls Park :

Gentlemen,—The year 1903 has been one of unceasing activty, particularly in those portions of the park south of the Dufferin Cafe, where the works for the development of the water power of the Falls have been carried on.

The three companies who have undertaken this work have each designed their works upon a scale much greater than has hitherto been attempted in similar operations, and the practical working out of the various systems adopted by the engineers of these companies becomes more interesting and instructive to visitors as the work advances. Already the extensive operations under way have attracted professional men from many lands and without question when the very large units determined on for the hydraulic and electrical machinery have been installed the interest excited in these works will be incomparably greater.

CANADIAN NIAGARA POWER COMPANY.

The operations of this the pioneer company, have been unremittedly prosecuted throughout the year. The outflow tunnel, designed to carry away the waste water from

the turbines to the lower river, and which had been cut through the solid rock for nearly the whole of its length at the beginning of the year, has received a lining of concrete and brick up to the springing line of the arch, and for about one-third of the total length, the heavy brick arch has been put in and the working space above the arch packed tight with stone spalls. Where the tunnel approaches the river, heavy granite masonry is substituted for the brick lining, and a vertical reverse curve, or gooseneck, is formed to accelerate the velocity of flow at the outlet. The gooseneck terminates in a very massive cross wall of granite carried deep down into the solid rock, and well up above the crown of the arch, to form an abutment for the talus or loose rock falling from the face of the cliff. By great exertions the portal work was completed before the winter set in; but the barrier left in front to keep the waters of the river from flooding the work during construction has yet to be removed.

At the wheelpit, the excavations for the northerly one-half of the length, which were well under way last year, having been taken down to invert level, and the side excavations for draft tube chambers and girder bearings have been taken out. Work upon the excavating of the southerly half of the wheelpit, which was begun during the past season, has been carried on steadily, about two-thirds of the area having been carried down to a depth of over fifty feet. The brick lining in the wheelpit has made good progress, about one-third of the north half of the pit being finished to within fifty feet of the top, and the heavy draft tubes for three of the hydraulic units, and all the girder bearings in this portion have been set in place and bricked in.

Above the level of the forebay a great deal of work has been accomplished, substantial masonry walls have been built for the power house foundations, which, including the recesses or inlet by which the water to penstocks is admitted, have been carried up to floor level, and five of the great penstock mouthpieces have been built in place. The apron and long walls of the ice run, including part of the arched bridge over the same, the river retaining wall, and the north forebay wall are nearly finished. At the south end of the forebay, the excavations for the wheelpit and forebay extensions have all been cleared away to solid rock level, and part of the bottom has been taken out to grade. The beautiful five-span masonry bridge to carry the electric railway and the Park driveway over the forebay has been, with the exception of the sidewalk, finished. This bridge is built for two tracks, a driveway and a cement sidewalk on the easterly or river side. The arches are of armored concrete, the piers and abutments of dressed stone, parapets of rock-faced masonry, relieved by dressed chiseled margins, and with a finely-tooled coping.

All the masonry work constructed by this Company is of the most substantial character, and in harmony with the approved design for the power house. Large quantities of materials for the power house building have been brought upon the ground; the construction, however, will not be begun until the spring opens.

As the Company have built their transformer house outside the limits of the Park, a conduit was needed in which to carry the numerous electric cables required to connect the generators in the power house with the step-up machines in the transformer house, where the electricty will be prepared for long-distance transmission. This conduit has been partially constructed.

ONTARIO POWER COMPANY.

The excavations at the site of this Company's power house, which is on the sloping bank of the river below the Falls, have been considerably extended during the year, and a ready means of access to the works has been provided by the construction of a wagon road for teams and materials from a point on the highway leading down to the

Maid of the Mist landing. This power house has been located only a short distance from the east face of the limestone cliff, which rises to a height of one hundred and twenty-ty feet above the proposed building, and in places has a considerable overhang. The company made a very careful examination of the condition of the face of the cliff, and, finding it seamed in many places, and some portions liable to fall at any time, authority was given the Company to remove all loose or seamy material on the face of the escarpment, and to build up on the ledges of solid rock a revetment wall of sufficient strength to ensure its permanently maintaining the roadway and sidewalk on top, and with provision for carrying away any drainage or seepage which might endanger, the power house in the future. This work has all been done, with the exception of the parapet wall and cement sidewalk, which could not be finished on account of severe weather setting in.

The very extensive earth-work and rock excavations required for the pipe line which will traverse the Park from the intake works at the Dufferin Islands to a point near the Dufferin Cafe, have been vigorously carried on, and with the exception of a short section near Clark Hill, this important work is now completed. At either end the excavations were made wholly in rock, and owing to the large diameter of the pipe and the necessity of securing a proper grade, had to be made deep. From a point opposite the pump house to the northern limit of pipe No. 1 the rock has been loosened for a width sufficient for two pipes, but the loose rock for the extra width has not been removed from the trench. Opposite the power house of the Canadian Niagara Power Company, where the Company are required to build a bridge to carry the conduit of the Canadian Niagara Company over the pipe lines, the excavations were heavy, but as the material was chiefly clay and gravel, not much difficulty was experienced. At the crossing of the electric railway near Clark Hill the necessity of keeping the railway open for traffic while the excavation is in progress has delayed the work at this point.

A commencement has been made on the eighteen feet diameter steel tube which is to carry the water supply to the power house, and several hundred feet of this—perhaps the greatest water pipe ever constructed—have been set up in place, riveted together, and a number of the stiffening rings put on. It is proposed to vigorously prosecute this work during the winter months.

At the Forebay, nearly one-third of the rock excavation needed to secure the required depth of water has been taken out, and the material used in forming extensions to the Dufferin Islands. A considerable quantity of the loosened rock has also been crushed for use in the concrete walls required to encircle the forebay. The main outer water wall, or overflow dam, has been partially constructed—this most important work is required to maintain the level of the water in the forebay, and upon its stability the future success of the works depend—the portion built is designed upon substantial lines, with a high factor of safety, and in the execution of the work every precaution has been taken to ensure the best possible construction.

Early in the year it was discovered that the diverting dam built by the Company at the head of Forebay did not afford a sufficient depth of water at the mouth of the intake, but that a short distance up stream there was a much greater depth available. It was therefore necessary to construct a second diverter some distance south of the one originally built, and farther out into the stream. This important work has been completed, and the one first constructed will be removed when the excavations in the river bed have been extended up to it.

In consequence of an application by the Company for certain changes in its agreements which would interfere with the business carried on by the lessees of the Table Rock House and Dufferin Cafe privileges, an arrangement was arrived at under which

the Company undertook to construct a new elevator and shaft at Table Rock House, with a tunnel cut through the rock from the foot of the shaft to a point well under the heavy curtain of water forming the westerly margin of the Horseshoe Falls. This important work has been carried on under many difficulties and delays, and is now almost ready for operation. The shaft is cut down to a depth of 95 feet in the rock, and from this point a tunnel extends 750 feet to the face of the cliffs, where a gallery affords visitors a most interesting view of the conditions existing behind the Falls. The elevator shaft is also carried up to the roof on the south end of Table Rock House, and connections are made with each of the three floors. The motive power of the elevator is electricity.

ELECTRICAL DEVELOPMENT COMPANY.

The Electrical Development Company has prosecuted its enterprise with great energy since receiving its franchise. The construction of a coffer dam was, of course, the first work undertaken, and it has proved to be a most arduous task, owing to the great depth of water found along the whole of its length, to the fierce current where the water was deepest, and which had to be breasted by the coffer dam in a direction almost normal to its line of flow, and also to the exceedingly rough and broken character of the river bed, which was found to be riddled with pot holes and crevices, particularly where the work crossed the Cascades. Notwithstanding all these obstacles, the work has been successfully carried on, and is now nearing completion. A commencement was also made on the wheelpit and power house excavations, and the area required for these operations has been enclosed by a secondary cofferdam, unwatered, and the deposit overlying the solid rock removed ready for the drilling operations. The unwatering of the large area referred to has proved a difficult matter, owing to the many fissures found in the bed of the stream, admitting water in large quantities underneath the cofferdam, and which necessitated very heavy pumping to permit of the work being proceeded with. The contractors for the wheelpit have installed a large power plant for the rapid prosecution of its work, and the motive power employed is electricity, brought from the works on the American side.

In addition to these heavy operations the Company have commenced work on the tunnel which is to carry away the waste water from its hydraulic machinery at the bottom of the wheelpit.

In order to reach the northerly outlet of the tunnel which is under the river bed, near the centre of the Horseshoe Falls, the Company were obliged to sink a large shaft at some convenient point to the shore, down to the level of the main work, and drive out a service tunnel to the point required. This most interesting work was rapidly accomplished, and work upon the main tunnel is now under way. In order to ascertain the precise conditions obtaining under the centre of the Falls, and to obtain a dumping ground for the waste materials taken out of the tunnel excavations, a cross drift was made from the main service tunnel and an opening cut through the face of the gorge; here much difficulty was experienced owing to the seamy character of the shale through which the drift was made, but an excellent place for dumping the excavated material was obtained, and a good deal of valuable information secured with respect to the requirements of the outlet for large tunnel.

INTERNATIONAL RAILWAY AND TOWN INTAKE.

The work begun by the Canadian Niagara Power Company last year in extending and widening the intake for the water supply of the electric railway and town, has, under plans approved by the Commissioners, been carried through to the railway

power house and one comon oper waterway with permanent concrete side walls substituted for the two separate wooden flumes, the timbers of which are found to be in a more or less decayed condition. This work will give a much better water supply to the railway and the town and provide better facilities for getting rid of the ice than has heretofore obtained. The change will also admit of a permanent improvement being made to the surface of the Park contiguous to the intake, and secure the erection of a new bridge for Park purposes with cost to the Park. The railway company have also made some changes in their wheelpit within their power house, with a view to securing a much more constant supply of power.

It is interesting to note, in view of the discussions referred to in the last report of the Park Commissioners, that the effect of the construction of the cofferdam of the Electrical Development Company, and the upper dam of the Ontario Power Company, upon the surface levels of the river at the joint intake of the International Railway and the town, has been inappreciable, although both of the constructions mentioned have been carried well out into the stream and some strong cross currents have been created at the cascades with a setting towards the shore of Goat Island. What the final effect may be when the dams are removed and the power works are in operation is, of course, still a debatable question.

NEW REFECTORY.

For reasons already referred to it became necessary to provide new shelter and restaurant accommodations in place of those afforded by the old Museum or Dufferin Cafe, and a plan for a new building having been approved, a location was selected and building operations commenced as soon as the excursion season closed. The new building is a substantial structure, irregular in outline, about 148 feet in length by 118 feet in extreme width, with a height of 21 feet in front to the cornice over the verandah, and 68 feet in extreme height of tower roof.

The basement floor, which is even with the level of the ground at the front of the building, has accommodation for picnic parties who may bring their own baskets, and abundant hot and cold water facilities are provided for their use ; a separate room being allotted for the convenience of ladies. On this floor scullery and pantry facilities for the Refectory are provided, and toilet conveniences for both ladies and gentlemen.

On the main floor, which is reached by wide stairways, both inside and outside the building, are large waiting rooms, affording excellent views of the Falls, three separate dining-rooms, which may be used separately or en suite, kitchen and pantry facilities, and toilet rooms for ladies. On this floor there is also accommodation for the lessees of the photo and fancy goods privileges, and on three sides very roomy covered verandahs, commanding views of the entire panorama of the Park and Falls, and where luncheon may be served on very warm days. The upper floor, which is in the roof, contains bedrooms and accommodation for the restaurant keeper and his help, photo printing rooms for the use of the lessees, and some rooms for the convenience of the Commissioners. The principal waiting room, which is at the south east corner of the building, is carried up as a tower, giving a lofty room with lantern galleries reached by a winding stairway, and from which delightful views of the Falls and Upper Rapids may be had.

The Dufferin Cafe building has been taken down and much of the debris removed. The taking away of this structure opens the park at its most contracted point and affords very great relief in all the scenic aspects of the locality. When spring opens the

foundations of the old building will be covered over with soil and planted out with shrubbery in such a manner as to set off the New Refectory to the best advantage, as viewed from the electric railway tracks on the driveway, and at the same time afford the best possible views of the river and Falls from the building.

General Work.

The northern portion of the Park proper, that is, from the Mowat Gate to the picnic grounds, has been efficiently maintained throughout the year, and improvements made at many points,—the heavy rainfall of the season proving most beneficial to the trees and shrubs, while the lawns were always fresh and green.

The perennial border between the ball ground and the Robinson street entrance, which was laid out in 1901, has now become a very interesting feature of the Park, and throughout the season, from early spring until snowfall, the constant succession of ever-varying bloom afforded great delight to visitors.

This well-sheltered part of the grounds is admirably adapted for the purpose to which it has been put, and many species of plants which apparently cannot be grown north of Philadelphia without winter protection are here grown with perfect freedom.

A portion of the grounds north of Robinson street have been drained and laid out as a temporary cricket ground, as the location selected for the permanent crease, which on account of the spray is to be near the greenhouses, is presently occupied by the materials required in the new power works.

The heavy teaming over the roads in the Park consequent upon the power development works now in progress has of necessity made it a difficult task to maintain the driveways in good order and condition. In order to secure the best results in road repairs, a seven-ton steam road roller was purchased, will be available at all times when road metal is being applied to roll the surface to a hard finish.

Notwithstanding the abnormal rainfall of the early part of the season, the numbers of excursionists and picnic parties visiting the park have been largely in excess of other years. The facilities and conveniences afforded, as well as the unrivalled natural beauty of the surroundings, making a combination of attractions no where else to be found. Doubtless when the works now under construction are completed, and the Park surface throughout restored to its new and improved condition, the added attraction of the great works for the production of electrical power will stimulate the interest of the general public to a degree beyond present conception.

Despite the great numbers of visitors, good order has been maintained throughout the season.

Early in November the laborers employed in the power works in the Park organized a strike against a reduction in the rate of wages, and for some time the situation looked grave, as by some means the strikers had possessed themselves of explosives, used in the work, and ome force was used to compel those who did not wish to leave work to join the strikers. Owing to the excellent judgment displayed by the Park constables, aided by the Provincial and civic police, and to the presence of a company of the 44th Regiment, under Col. Cruickshank, the ringleaders were weeded out and put under arrest, and the strike was ended without serious damage to either person or property.

Outlying Territory.

At Niagara Glen a new and most interesting walk has been made along the waters' edge, from the spring entirely around the point, forming the southern extremity of the glen to "Cripp's Eddy," and the other walks and paths throughout the glen have been repaired and improved.

At Queenston Heights the grounds lying to the west of Brock's Monument have been cleared, graded and made into lawn; and the belt of woods around the old earthworks adjoining has been thinned out. These works give a much more dignified setting to the monument. A tie-up yard has been constructed in a sheltered location nearly contiguous to the picnic grounds, for the convenience of those driving to the Heights to spend the day. The Queenston Heights Park is also becoming more and more an attraction for the better class of visitors, and the accommodations there provided for their convenience and comfort are being more widely appreciated by church and Sabbath School organizations. No difficulty has been experienced in maintaining order throughout the year.

At Fort Erie it became necessary to set up part of the main wall of the Old Fort, the stones of which had been thrown down by vandals, chiefly from the City of Buffalo. This was done in cement mortar, and made as nearly as possible like the original work. The ornamental garden wire fence along the front of the Reservation and the woven wire fence along the north limit have been completed, and a neat Credit Valley stone gateway erected opposite the centre of the face of the fort. No attempt has been made towards improving or planting the property as yet.

Through the good offices of the Member for the County, Mr. W. M. German, K. C., the Parliament of Canada has voted the sum of $1,750 for a monument to be erected on the grounds about the fort, to commemorate the stirring events enacted during the war of 1812-14. The memorial will consist of a circular shaft of rock-faced stone, with carved capital and finial and with a bronze plate suitably inscribed. The design has been submitted to the Honorable the Minister of Militia and Defence for his approval.

During the year the Chief Gardener, Mr. Foderic Cameron, has catalogued all the varieties of trees and shrubs found growing in the Park. This comprises the varieties which are indigenous to the soil, and also the varieties which have been introduced since the establishment of the Park. Altogether, no fewer than eight hundred and ten are enumerated. Mr. Cameron has also made a catalogue of the very extensive collection of plants cultivated as perennials now found in the Park. In the listing of all these plants Mr. Cameron has brought to bear his well-known enthusiasm and rare botanical skill, and to all interested in the fascinating study of botany, the publication of these catalogues will be of particular value, as the Park contains many rare plants which have hitherto not been grown elsewhere in Canada.

The whole respectfully submitted,

JAMES WILSON,
Superintendent.

APPENDIX "C."

ADDRESS TO THE AMERICAN PARK AND OUTDOOR ART ASSOCIATION.

By J. W. Langmuir.

Address given by Mr. J. W. Langmuir, Chairman of the Queen Victoria Niagara Falls Park Commissioners to the Members of the American Park and Outdoor Art Association, on the occasion of their visit to the Park, 8th July, 1903.

On behalf of the Park Commissioners, the pleasant duty falls to me of welcoming you and the members of "The American Park and Outdoor Art Association" to Canada and to the Queen Victoria Park. The Commissioners feel highly honored in having as their guests the members of this distinguished and useful association, which has done so much in the past few years to awaken public sentiment in favor of providing parks

and open spaces for the enjoyment of the people, and the honor is much enhanced in also having on this occasion our confreres of the New York State Reservation, whom we would like to meet much oftener.

It may not be uninteresting to the members of the Park and Outdoor Art Association who are present if I very briefly review the history of the founding of Niagara Falls Park on the Canadian side of the river, more especially as the financial basis upon which it was established materially differs from that governing any other park represented in the association, and for that reason, may perhaps be deserving of your consideration.

The Commissioners of Queen Victoria Park claim that to Lord Dufferin, who was Governor-General of Canada from 1872 to 1878, is due the credit of first suggesting the advisability of having a system of national parks on both sides of Niagara Falls. In a now historic interview had with Governor Robinson of the State of New York in 1876, Lord Dufferin strongly advocated the scheme, which as you all know was carried into practical effect on the 15th July, 1885, when the "New York State Reservation at Niagara" was opened to the world.

The State of New York, with commendable generosity, not only undertook the purchase of the lands selected for park purposes, but also makes an annual appropriation for improvements and general maintenance. Thus, from the very outset, the Commissioners of the Reservation have been practically relieved of all financial anxiety, and have been enabled to devote their entire efforts to the work of improving and maintaining their magnificent domain.

Differing from these very fortunate conditions, the Province of Ontario had neither the population nor the wealth of the great State of New York; and although the then Premier of Ontario, Sir Oliver Mowat, most heartily favored the Park project, neither he nor his Cabinet felt that the requisite funds could be spared from the revenues of the Province of Ontario for its establishment. Moreover, they took the ground that the proposed Park should be a national one, and that it was the duty of the Dominion Government to take the necessary action for its foundation. Several years elapsed, therefore, after the opening of the New York State Reservation before any progress was made, and when the Dominion Government finally decided not to undertake the work, there appeared but little prospect of a Government Park being found on the Canadian side of the Falls.

The action, however, of the State of New York in appointing Commissioners, and in vigorously prosecuting its work of reclamation, had a marked influence upon public sentiment, resulting in the Legislature of Ontario at its session in 1885 authorizing the appointment of three Commissioners to select and appraise the lands required for a Provincial Park at Niagara Falls. Instead, however, of purchasing the properties and vesting them in the Commissioners free from debt, as was done by the State of New York, it was laid down as a cardinal rule in our charter that the Park should not become a burden upon the Province at large, and that the cost of lands as well as of improvements and maintenance should be provided by the Commissioners from revenues to be created and developed within the Park limits.

Owing to these financial conditions, the Commissioners in selecting the grounds felt constrained to limit the area so as to include only the land between the Clifton House on the north and the lower point of Cedar Island (just above the Horseshoe Falls) at the south, thus giving an eastern boundary along the river, including the Falls of about a mile. From these grounds visitors would be afforded a very complete view of the cataract and the gorge below the Falls, and to a limited extent of the Upper Rapids.

While the acquirement of this restricted area would have materially diminished the original cost of the Park, and also the annual expenditure for maintenance and improvements, the Commissioners could not overlook the fact that the hand of nature had very clearly defined what should be the proper boundaries of the Canadian Park, namely, commencing at the Clifton House on the north and extending along the river for a distance of about 2½ miles, including the Upper Rapids and the Dufferin Islands, and from the river on the east to the richly-wooded bluff of high land forming the ancient margin of the river on the west, containing an area of about 154 acres.

Upon a careful survey of the whole situation the Commissioners decided to recommend the inclusion of the enlarged area which recommendation was finally approved by the Government, and the work of appraisal was at once proceeded with. Early in 1887 the Ontario Legislature passed the Park Act, which empowered the Commissioners to issue debentures to the extent of $600,000, secured by the property and revenues of the Park, and running for a period of 40 years, and out of the proceeds of such debentures the lands selected were paid for.

It will thus be seen that a burden rested on the Commissioners, not only to provide the funds for acquiring the Park properties, but also to meet the interest on the debenture issues, as well as the necessary outlays for improvements and current maintenance, the whole involving an expenditure of over $40,000 a year. To assist in meeting these large annual payments it was the original intention of the Commissioners, although very reluctantly arrived at, to charge an entrance fee for visiting the Park, but as admission to the New York State Reservation was made free to the public, that intention, I am glad to say, was abandoned and other means of raising revenue had to be devised.

After much consideration and not a little solicitude, it became evident to the Commissioners that the requisite revenue could only be raised by granting certain franchises and privileges within the Park. While the primary object in granting such concessions was to provide revenue, the Commissioners fully realized that the public sentiment of the Province would not, even in furtherance of this necessity, tolerate or permit any desecration of the Park property, and, notwithstanding the adverse criticism of some of the methods resorted to for raising money, the Commissioners confidently assert that no violence will be done to the most aesthetic taste in the granting of these revenue-producing franchises. That the public may judge whether we are warranted in making this statement or not, I may be permitted to comment very briefly on the three classes of franchises that have been granted.

First. Owing to the great length of the Park domain, extending from Chippawa to Queenston, a distance of nearly twelve miles, every portion of which is full of historic interest and scenic grandeur, it was vitally important that all the objective points should be reached by an electric railway, so that tourists might be able to visit every place at a reasonable cost. This was accomplished by inducing capitalists to construct an electric railway; the Commissioners granting the right to lay a track through the Park, and on the property of the Commissioners northwards to Queenston, for which they receive $10,000 per annum. That this railway has been a great boon to visitors, both pecuniary and visually, in enabling them to view all points of interest with ease, comfort and satisfaction, is almost universally admitted.

Second. A franchise was granted to supply meals and refreshments to visitors within the Park; the lessee also having the right to use the elevator for taking visitors under the Falls, as well as the exclusive privilege of selling photographs. It cannot be denied that these privileges are all distinctly in the interests and comfort of visitors

to the Park, and being directly under the control and supervision of the Commissioners, they cannot be abused. This privilege produces a revenue of $10,000 a year.

Third. The remaining concessions embrace three franchises granted by the Commissioners to power companies to take water from the Niagara River above the Falls for the purpose of generating electricity for transmission beyond the Park; and it is these concessions more than anything else that have caused unfavorable criticism in some quarters. Apart altogether from the question whether in the granting of these rights the Commissioners can, under all the circumstances, be fairly charged with desecration of the sacred grounds committed to their care (and I use the adjective sacred as being peculiarly applicable to all the surroundings of the great Cataract), let me at once admit that the Commissioners and the Government of Ontario could not reasonably ignore the imperious demand of public sentiment throughout the country that the waters of the Niagara River should be in part utilized for developing electrical power for commercial purposes. And the public demand was emphasized by having in view the great electrical development, with all its attendant advantages, on the other side of the river, while the infinitely better locations on the Canadian side for power production were lying fallow.

It is, however, due to the members of the American Park and Outdoor Art Association, as leaders and educators in the development of park and play grounds for the public that I should frankly state all the facts in connection with the granting of these franchises to power companies in order that the Commissioners may be completely freed in your minds from the charge of desecrating the Park territory. To this end let me say that the sites granted to the power plants are distinctly outside of the territory which was originally intended to be expropriated for Park purposes,—indeed, the acquirement of the property on which they are located was entirely an after-thought, but a very fortunate one, I will admit, for the Commissioners. Had, however, the property not been expropriated as an adjunct to the Park, it would long ere this have been undergoing the process of conversion into a manufacturing district immediately overlooking the Park, with all the defacement and other objections incident to such surroundings. Instead of this we will have plans approved of in every detail by the Commissioners for the greatest electrical development in the world, especially designed to do the least possible violence to the environment of the great cataract; with all works of construction appearing to the surface, including power houses and bridges of the most artistic design, so as to be in harmony with their surroundings.

From these three franchises the Commissioners receive a present rental of $60,000 per annum and a royalty on every horse power developed in the future which, when all the works are in full operation, will amount to about a quarter of a million dollars annually. I started out by stating that I thought the financial basis on which the Queen Victoria Park was established differed materially from that governing other public parks, and I have indicated the sources of revenue devised for Park purposes. I have only now to add that, so far the Commissioners have not called upon the Province of Ontario to pay a dollar for the acquirement, improvement or maintenance of this great national Park, and that out of the revneues the whole of the debenture debt and interest will ultimately be paid.

And now in conclusion will you permit me to venture into the field of prophecy. Let me ask you to look into the future,—the near future, I hope—and picture in your mind's eye the completion of all the plans and projects of the Park Commissioners on the Canadian side of the river. It is doubtless known to some of you at least that the river bank from Lake Erie to Lake Ontario, a distance of over thirty miles, is now

vested in the Commission. This reserve is now in the process of being improved; the bank of the river protected from erosion by the construction of an electric railway on the shore line from Fort Erie to the Park; a well-constructed and well-kept boulevard, ornamented with shade trees, will be constructed along the entire bank of the river, forming an avenue to Queen Victoria Park. Within the Park the works of construction in connection with power plants will be completed, with only two artistically designed power buildings in sight; the river bank along the upper rapids; the Dufferin Islands and the entire grounds above the Falls restored and beautified to correspond with the finished portion of the Park overlooking the cataract. The unsightly buildings overlooking the Falls (in one of which we are now sitting) torn down and a fine artistic structure for shelter and refectory purposes erected, and the whole of the grounds, roads and walks in the Park brought up to the highest standard of aesthetic taste. Then, passing from the Park surrounding the Falls to the lower gorge of the river, with its magnificent grandeur from the base of the cataract until its majestic banks and rushing waters merge into the quiet scenery of the lower river, we come to the "Niagara Glen," immediately north of the Whirlpool, comprising 100 acres of territory, unique in its unrivalled and primitive wilderness, which, by the construction of roads, walks and means of access will have become one of the most fascinating resorts in the gorge, as well as a very paradise for botanists. The Queenston Heights Park, with its grand panoramic views, will be completed and restored, from the historic monument on the summit to the shores of the river below, as well as the whole river gorge from the Falls to Queenston, and its magnificent views and vistas opened up. In fine, the whole shore of the Niagara River from Lake Erie to Lake Ontario, restored and converted into one continued series of avenues and parks for the recreation and enjoyment of the millions of overworked and tired humanity, where they can come for a time from the turmoil of their busy and wearing lives to this meeca of peace and quietness, to commune with the majesty of nature.

THE ONTARIO POWER COMPANY OF NIAGARA FALLS.

Agreement With the Commissioners of the Queen Victoria Niagara Falls Park. Dated 28th February, 1903.

THE PIPE LINE AND POWER HOUSE AGREEMENT.

This agreement, made this twenty-eighth day of February, 1903: Between the Commissioners of the Queen Victoria Niagara Falls Park, acting herein on their own behalf, and with the approval of the Government of the Province of Ontario, and hereinafter called the Commissioners of the first part, and the Ontario Power Company of Niagara Falls, incorporated by the Parliament of Canada, and hereinafter called the "Company" of the second part;

And Whereas, the Company is authorized by chapter 120 of the Statutes of Canada of 1887 and other Statutes of the Company by means of utilizing the natural supply of the Niagara and Welland Rivers, with the object of promoting manufacturing industries and inducing the establishment of manufactories in Canada, and other business, to construct all such works, dams and wing dams, docks, conduits, accessories and buildings as may be necessary to give full intent to such powers, and by means of and through the works aforesaid to supply manufacturers, corporations and persons with water, hydraulic, electric or other power for use in manufacturing or any other business or purpose; and so that none of the works authorized by the above recited Statutes of Canada relating to the Company shall be constructed within the limits of the Queen Victoria Niagara

Falls Park ; and so that none of the powers given by said Statutes or any of them, shall be exercised within the limits of said Park, except with the consent of the Lieutenant-Governor of Ontario in Council and of the Commissioners of the said Park ;

And Whereas, by section 36 of Chapter 11 of the Statue of Ontario, 1899, to amend the Statute Law, it is enacted : The Commissioners of the Queen Victoria Niagara Falls Park, "with the approval of the Lieutenant-Governor-in-Council, may enter into an agreement or agreements with any person or persons, company or companies, to take water from the Niagara River or from the Niagara and Welland Rivers at certain points within or without the said Park for the purposes of enabling such person or persons, company or companies, to generate within or without the Park electricity or pneumatic, hydraulic or other power conducting or discharging said water through and across the said Park or otherwise, in such manner, and for such rental and upon such terms and conditions as may be embodied in the agreement or agreements, and as may appear to the Lieutenant-Governor-in-Council to be in the public interest."

And Whereas, at the time of the sealing of these presents, there are existing four several agreements made by and between the several parties hereto, and of the dates following :—

1. On the 11th April, 1900. The First Agreement.
2. On 15th August, 1901. The Supplementary Agreement.
3. On 15th August, 1901. The Ancillary Agreement.
4. On 28th June, 1902. The Complementary Agreement.

All which agreements have been made with the approval of the Lieutenant-Governor-in-Council, in pursuance and in accordance with the above recited Ontario Statute of 1899, and with the approval of the Commissioners, as testified by being parties thereto ;

And Whereas, by the above-mentioned agreement of 28th June, 1902, known as the Complementary Agreement, and the fourth paragraph thereof, it is provided that the works therein described and hereinafter specified namely :

(g) The conduits or pipes to carry the water supply through the Park, including the method of concealing or covering over the same, and the method of syphoning under the lower channel at the Duefferin Islands ;

(h) The works and structures for regulating the flow of water at the penstock chambers :

(j) The power house and the means of access thereto, including the filling out into the lower river in front thereof, shall, before being commenced, be submitted by the Company to the Commissioners, accompanied by suitable plans, profiles, specifications and elevations, as the case may be, for approval :

And Whereas, the Company has submitted to the Commissioners certain plans, namely: that hereunto annexed marked "D," and described to be "map showing proposed works of the Ontario Power Company of Niagara Falls in Queen Victoria Niagara Falls Park, location of pipe lines dated 15th January, 1903," and duly identified by the parties to this Agreement ; and also another plan, correlative or relating to the above, plan, marked "D," duly identified by the signature of O. B. Suhr, Resident Engineer, such plan being entitled "profile No. 1 Conduit from Sta. 10 to Sta. 63," and showing certain profiles, specifications and elevations, in so far as they purport to be in accordance with the plans by said paragraph four, required to denote the location of the said works above described, and as required by sections g, h and j of paragraph four of the Agreement of 28th June 1902, and have proposed the said plans for approval ;

And Whereas, the said plans propose the occupation by the Company of additional land ,to the land heretofore licensed or intended to be licensed, as defined and laid

down on plan lettered "B," and annexed to the Supplementary Agreement of 15th August, 1901, or as defined and laid down on plan lettered "C" and annexed to the Complementary Agreement of 28th June, 1902; and the Company have applied to the Commissioners for a further grant or extension of rights, and the Commissioners for certain considerations, and upon the conditions hereinafter expressed and contained or intended so to be, have agreed to grant or extend the rights of occupation to the said additional land, as described in the plan hereto annexed and marked "D," as above described, to be used in and for the construction of works and the exercise of powers by the Company within the Park for such land, including the right to pull down the Museum Building, or Dufferin Cafe, and occupy part of the site therof for the purpose of construction and operation of their works, to be held under the same tenure and subject to the same provisions, stipulations, conditions and agreements as have been entered into in respect of lands licensed, granted, occupied, or to be occupied by the Company, by the nerembefore recited Agreements or any of them;

For convenience this Agreement may be known as "the Pipe Line and Power House Agreement."

1. Now, therefore, this Agreement witnesseth that for and in consideration of the matters following:—

(a) The payment by the Company to the Commissioners of the sum of twenty thousand dollars at the time of the sealing these presents by the several parties thereto, the payment whereof is here acknowledged.

(b) That the Company will construct a shaft with an elevator at or near the south face of Table Rock House, so that the outside circumference of the shaft nearest the Table Rock House shall be five feet from the south face of the south wall of the said Table Rock House, and will construct tunnel work from the foot of the said shaft to a point under the main or Horseshoe Falls, with a second separate outlet, as shown on a map or plan in possession of the Commissioners of the Queen Victoria Niagara Falls Park, identified by the signature of James Wilson, the Superintendent of the Park; the said tunnel and shaft to be constructed in accordance with specifications thereof to be prepared by the Commissioners;

(c) The said tunnel is to be of same dimensions as those of the present tunnel under the Cliff to and under the Falls, as now used by the present lessees of the Comissioners.

(d) The said shaft and elevator are to be constructed so that the said elevator may be run to the eaves of the south gable of the said Table Rock House, and openings shall be constructed into the said elevator from each floor of Table Rock House. The cage of the said elevator is to be at least five feet square.

(e) The Company are to adapt the said elevator for operation by electric motive power.

(f) The Company shall furnish or cause to be furnished to the lessees of the Commissioners during the period of ten years the electric motive power necessary for the operation of the said elevator.

(g) The work of constructing the said shaft and tunnel with the said elevator shall be completed, and the motive power thereof furnished, so that the lessees, as aforesaid, may have the free and full use thereof for the purpose of their business on or before the eighth day of June, 1903.

(h) The work adjacent to Table Rock House shall in any case be so far completed as to permit the occupation thereof by the lessees for the purpose of their business by the eighth day of June, 1903; and should the whole of the tunnel work not then be com-

pleted the lessees are to be permitted by the Commissioners the use of the present elevator, and a path shall be constructed, by the Company, connecting the southerly extremity of the present tunnel through the second outlet of the new tunnel, with the southern extremity of the new tunnel behind the main or Horseshoe Falls, which the lessees shall be permitted to use till the new work be completed.

(i) During the time herein provided for the construction of the said shaft and tunnel with the said elevator, full possession of the Table Rock House shall be given to the Company, so far as such possession may be necessary to such work.

(j) The Company are to make good all work in connection with the openings between the floors of Table Rock House and the elevator, and any damage resulting from the work of construction of said shaft and elevator.

(k) On the first day of October, 1903, the lessees of the Museum Building, known also as the Dufferin Cafe, having vacated such portions thereof as they have hitherto occupied, the Company shall at their own cost pull down the same and every part of the said Museum Building, and place the materials adjacent or near to the site of the projected Refectory as shall be required by the Commissioners, who shall retain their property in the said materials, and the residue of the said materials shall be removed by the Company as to the Commissioners shall seem fit.

2. And these presents further witness that for and in consideration of the due observance and performance by the Company of the terms, conditions, covenants and stipulations by the Company hereinbefore stated, and agreed by the Company to be duly done and performed, the Commissioners hereby grant to the Company in the same terms, including stipulations relating to the renewal of any term, and subject to the same requirements and limitations, and for the same period or term as contained in the first paragraph of the hereinbefore recited agreement, dated 28th of June, 1902, and known as the Complementary Agreement, the right to extend in the manner and to the extent indicated on the said map "D" the pipes or conduits which by the terms of the aforesaid Complementary Agreement the Company are authorized to construct, and by the means of which the waters taken from the Niagara or Welland Rivers, or both of them, may be used for the purpose of supplying electric or other power to the power house of the Company, as located in the gorge below the Falls; and the Commissioners grant the further right to the Company to extend the power house in the manner and to the extent shown by dotted lines on the said map, together with the privilege of leading the water supply from the pipes or conduits, extended as above described to the site of the power house by means of penstocks carried down in shafts or tunnels cut in the rock.

The location of the overflow or regulating device for the pipe No. 1, as indicated on the map "D," is approved by the Commissioners, but the design and method of constructing the same and the location and design of the overflows for pipes Nos. 2 and 3 shall be submitted for the approval of the Commissioners, and shall not be proceeded with until such approval is obtained.

3. The Commissioners also grant to the Company the right, on and after the first day of October next, to enter into and upon the Museum Building or Dufferin Cafe, and pull down the same and thereafter occupy so much of the site thereof for the purposes of construction and operation of works as hereinbefore provided, and as shown in the said plan marked "D."

4. The license hereby granted shall take effect and operate from the day at which these presents shall have force and effect under paragraph 8 hereof; and for the sake of uniformity in termination of periods with the provisions of the above in part recited Agreements previously made by and between the parties hereto shall, unless ex-

tended by stipulations relating to renewal of any term, terminate on the first day of April, 1950, unless terminated by operation of law or by any provision in this or any of the above recited agreements contained.

5. The terms, conditions, covenants and stipulations contained in the several hereinbefore recited Agreements (save all such as are contained in the Ancillary Agreement, the same being abrogated as provided by paragraph 7 of these presents), shall apply to this Agreement as fully as though the rights hereby conferred upon the Company, and the terms, conditions, covenants and stipulations hereby agreed to be done, observed and performed by the Company had formed part and parcel of the above recited agreements, or any of them; the Commissioners on their part confirming all previous grants and rights and licenses by them upon the Company conferred by the said Agreements, or any of them, and hereby giving and granting to the Company the rights to construct within the Park the works authorized by the Commissioners, by this or any of the above recited Agreements to construct within the Park: and also the right to exercise the powers given to construct the works necessary to lead the waters of the Niagara and Welland Rivers, whether within or without the Park, for the purposes of developing electric or other power within the Park, by or under the said in part recited Statutes or any of them;

Provided that no such works or powers shall extend further to the north than located on the plan marked "D" to these presents annexed.

6. The provisions of paragraph 8 of the Supplementary Agreement of 15th August, 1901, shall apply, in addition to the generality of the application of the said paragraph 8, to the hereinbefore recited Agreements and to this Agreement, in the event of the Commissioners being called upon to pay or to meet,—

(a) Any claim for liability by the failure or breach by the Company duly fulfilling and completing the works by the Company above undertaken to be performed, according to the provisions of b, c, d, e, f, g, h and j of paragraph 1 of this Agreement, or either, or of any of the said sub-divisions;

(b) Or any claim preferred against the Commissioners by reason of any damages sustained by any person in respect of any act of omission or commission by the Company, in respect of the doing or executing of the works above specified;

7. And whereas, by the Ancillary Agreement made by and between the parties hereto on the 15th day of August, 1901, whereby it was agreed that in the event of the Table Rock House having to be removed or interfered with, the cost, charges and compensation to be paid, attendant or in consequence of such removal or interference, should be borne by the parties hereto in the manner in said Agreement, provided: These presents witness that the parties hereto release each other from all the provisions of the said Agreement, and the same is now determined, and of no more import than had the same never existed or been entered into.

8. This Agreement shall have no force or effect until approved by the Lieutenant-Governor-in-Council.

In witness whereof the corporate seal of the Commissioners has been hereunto affixed by their Chairman, who has also signed these presents in certification of due execution hereof by the Commissioners, and corporate seal of the Company has been hereunto affixed by the President, who has also signed these presents in certification of due execution hereof by the Company, and on the day and year first aforesaid.

THE ONTARIO POWER COMPANY OF NIAGARA FALLS.

(Seal) By J. A. ARCHIBALD, Vice-President.

ROBT. C. BOARD,
Secretary.

Witness: James Wilson.

J. W. LANGMUIR, Chairman of the Commissioners, Queen Victoria Niagara
(Seal) Falls Park.

Witness: James Wilson.

RESOLUTION OF THE BOARD OF DIRECTORS OF THE ONTARIO POWER COMPANY OF NIAGARA FALLS.

At a meeting of the Board of Directors of the Ontario Power Company of Niagara Falls, held at Buffalo, New York, on the third day of March, 1903, the proposed Pipe Line and Power House Agreement between the Commissioners of the Queen Victoria Niagara Falls Park and the Ontario Power Company of Niagara Falls was produced and read, and on motion duly seconded it was unanimously

Resolved, that the said Pipe Line and Power House Agreement between the Commissioners of the Queen Victoria Niagara Falls Park, acting therein in their own behalf, and with the approval of the Government of the Province of Ontario, and the Ontario Power Company of Niagara Falls, submitted to this meeting, be and the same is hereby approved and adopted, and Mr. J. A. Archbald, the Vice-President, and Mr. Robert C. Board, the Secretary of the Company, be and they are hereby authorized and directed to execute the same on behalf of this Company, in triplicate, by affixing the corporate seal of this Company thereto and by signing the same as such Vice-President and Secretary.

And that when so executed said officers are authorized, empowered and directed to make delivery thereof as the act and deed of this Company, and that the said Agreement be entered in full on the minutes of this meeting, which is accordingly done below.

I, Robert C. Board, Secretary of the Ontario Power Company of Niagara Falls, hereby certify that the foregoing resolution is a true copy of the resolution passed at a meeting of the Board of Directors of the said Company, held at the office of the Company, in the City of Buffalo, this third day of March, 1903

(Seal) ROBERT C. BOARD.

COPY OF AN ORDER-IN-COUNCIL APPOVED BY HIS HONOR THE LIEUTENANT-GOVERNOR THE 6TH DAY OF MARCH, A.D., 1903.

Referring to the Order-in-Council of 7th August, 1902, whereby the agreement between the Commissioners of the Queen Victoria Niagara Falls Park and the Ontario Power Company of Niagara Falls, dated 28th June, 1902, and known as the Complementary Agreement, was approved by your Honor;

And referring to the Order-in-Council of 15th August, 1902, whereby a certain other Agreement between the said parties, dated 28th June, 1902, extending the terms of a certain agreement known as the Ancillary Agreement, dated 15th August, 1901, made between the said parties and relating to the Table Rock House, was approved by your Honor;

And referring to two agreements now submitted by the Commissioners to your Honor for approval: first, between the Commissioners for the Queen Victoria Niagara Falls Park and the Ontario Power Company of Niagara Falls, bearing date 28th February, 1903, whereby the location of the pipe lines and power house, as by said agreement and the plans relating thereto is set forth, has been determined, and it appearing that the said locations will encroach upin the sites of the Museum Building, and effect certain privileges within the Park held under terms of demise by the Commissioners to lessees for a term unexpired;

Second, and to an agreement made between the Commissioners and their lessees, bearing date 14th February, 1903, with memorandum attached of 27th February, 1903, whereby it is agreed that the requirements of the Company in respect of the aforesaid locations have been obtained from the lessees in consideration of certain works to be done and a Refectory to be built by the Commissioners within the Park, to be held in substitution of the rights by the lessees surrendered; and whereby it is also provided that such being done a new lease will be granted to the lessees, to expire on 1st May, 1913;

And by the above in part recited agreement of 28th February, 1903, the Company have among other matters agreed to do and perform the above works to be done for the said lessees, and the Commissioners having received from the Company the sum of Twenty Thousand Dollars to enable them to build the said Refectory, and both parties to the said Agreement have also agreed that the provisions of the Ancillary Agreement of 15th August, 1901, are determined and ended;

And the Commissioners recommend for approval by your Honor the said several Agreements of 28th February, 1903, and of 14th February, with memorandum of 27th February, 1903, with the terms and conditions therein contained;

Upon the recommendation of the Honorable the Treasurer, the Committee of Council advise that the above-mentioned Agreements of 28th February, 1903, and of 14th February, with memorandum attached of 27th February, 1903, be approved by your Honor;

Such approval being given under the provisions of the Revised Statute respecting the Queen Victoria Niagara Falls Park, section 12, in so far as the same relates to the removal of buildings within the Park, and of the Ontario Statute of 1899 Chapter 11, section 36, in so far as the same relates to the terms and conditions thereby authorized to be approved.

Certified.

Assistant Clerk Executive Council.
J. LONSDALE CAPREOL.

AGREEMENT.

The Commissioners of the Queen Victoria Niagara Falls Park and Messrs. Zybach and Brundage.

Memorandum of Agreement made this fourteenth day of February, A.D., 1903:

Between the Commissioners of the Queen Victoria Niagara Falls Park, hereinafter called the "Commissioners" of the first part, and John Zybach, of the Town of Niagara Falls, photographic artist, and James T. Brundage, of the City of Niagara Falls, New York, U.S., gentleman, hereinafter called the "Lessees" of the second part.

Whereas, by a certain indenture made the sixth day of June, A.D., 1893, between the said Commissioners and the said Lessees, the said Commissioners demised and leased unto the said Lessees, their executors, administrators and assigns all those messuages or tenements situate in the Town of Niagara Falls within the Queen Victoria Niagara

Falls Park, known as the Table Rock House, and all the building known as the Museum Building, except the rear wing thereof, together with certain rights and privileges in the said indenture specified, but subject to the conditions and stipulations of the said indenture, for the term of ten years, to be computed from the first day of June, A.D., 1893.

And whereas, in and by the said indenture it was agreed between the said Commissioners and the said lessees that if the said lessees should have duly performed the covenants in the said indenture of their part to be performed, they should at the expiration of the said term of ten years have the right to have the said indenture by way of lease extended for a second period of ten years on the same terms, stipulations and provisions as those contained in the said indenture, save as to the amount of rent to be paid by them to the said Commissioners, the amount whereof it was provided by the said indenture should be determined in the manner therein provided.

And whereas, the Lessees, desiring to exercise the said right of extension for the said further period of ten years, gave due notice in writing of such desire, as provided by the terms of the said indenture, at least six months before the expiration of the period of ten years demised by the said indenture.

And whereas the said Commissioners and the said Lessees have agreed upon the amount of rent to be paid by the said Lessees to the said Commissioners for and during the said extended period of ten years at the sum of nine thousand dollars per annum, payable quarterly in advance during the said period of ten years on the first days of the months of June, September, December and March in each and every year.

And whereas, by reason of certain agreements between the said Commissioners and the Ontario Power Company, the said Commissioners have proposed to the said Lessees to substitute for certain of the works and buildings as herein provided, to which substitution the said Lessees have assented, subject, however, to the terms and conditions of this agreement.

Now this Agreement witnesseth that the said Commissioners and the said Lessees covenant and agree each with the other of them in the manner following, that is to say :

1. Immediately after the signing of this agreement, the Commissioners shall construct or procure to be constructed, a shaft, with an elevator, at the south face of Table Rock House, and shall construct, or procure to be constructed, tunnel work from the foot of the said shaft to a point under the main or Horseshoe Falls, with a second separate outlet, as shown on the annexed sketch. The said tunnel is to be of the same dimensions as those of the present tunnel to and under the Falls now used by the Lessees under the said indenture of sixth June, 1893. The said shaft and elevator are to be so constructed that the said elevator may run to the eaves of the south gable of the said Table Rock House, and openings shall be constructed into the said elevator from each floor of the Table Rock House. The cage of the said elevator is to be at least five feet square.

2. The Commissioners are to adapt the said elevator for operation by either electric or hydraulic motive power, as the said Lessees may elect; such election to be to the Commissioners within one week from the execution thereof.

3. The Commissioners shall furnish, or procure to be furnished, to the Lessees during the said period of ten years, the motive power necessary for the operation of the said elevator.

4. Inasmuch as the months of June, July, August and September are the months in the year during which the Lessees require to have their premises fully equipped for the purposes of the business carried on by them, the work of constructing the said shaft

and tunnel, with the said elevator, shall be commenced immediately, and pushed to completion as rapidly as possible, it being the intention to complete the same by the first day of June, 1903. The work adjacent to Table Rock House shall in any case be so far completed as to permit the occupation thereof by the Lessees for the purpose of their business by the said first day of June, 1903, and should the whole of the tunnel work not be then completed, the Lessees are permitted to continue the use of the present elevator, and a path shall be constructed by the Commissioners connecting the southern extremity of the present tunnel through the second outlet of the new tunnel with the southern extremity of the new tunnel behind the main or Horseshoe Fall, which the Lessees shall be permitted to use till the new work shall be completed.

5. The said Lessees shall remove from the Table Rock House during the time herein provided for the construction of the said shaft and tunnel with the said elevator, so that the said Commissioners may be in full possession thereof during the work of such construction so far as such possession may be necessary to such work. The said Commissioners are to make good all the work in connection with openings, between the floors of the Table Rock House and the elevator, and any damage to the building resulting from the work of construction of said shaft and elevator.

6. The said Lessees are not entitled, save as hereinafter provided, to any further possession of the present Museum Building during the extended term hereby provided for. Instead thereof the said Commissioners covenant to erect or procure to be erected a new building, known as the Refectory Building, in which building the said Commissioners shall provide such accommodation as shall be suitable and sufficient for the business of the Lessees heretofore carried on in the said Museum Building as the Commissioners and the Lessees may agree.

7. It is agreed that the business above referred to as heretofore carried on by the Lessees in the said present Museum Building is the restaurant business of photography, and a fancy goods business.

8. The Lessess are to have the right to continue to occupy the present Museum Building up to the first day of October, A.D.,1903, but on or before that date the Lessees shall and will vacate the same, the said Commissioners providing, during the erection of the said Refectory Building, suitable storage accommodation for the furniture of the Lessees now in the Museum Building, and suitable accommodation for the business of printing and washing photographs.

9. Inasmuch as the months of June, July, August and September are the months in the year during which the Lessees require to have their premises fully equipped for the purposes of the business carried on by them, the work of constructing the said Refectory Building shall be pushed to completion as rapidly as possible, with the view of having the same made ready for the accommodation of the business of the said Lessees, as aforesaid, and for free and full use thereof by the said Lessees, on or before the first day of June, A.D., 1904 Twenty-five dollars per day shall be allowed by way of reduction from the rental for every day's delay beyond the said first of June, 1904, which it is agreed shall be deemed liquidated damages, and not in the nature of a penalty.

10. When the said Refectory Building shall have been completed as aforesaid, and the Lessees shall have been put into full possession of the accommodation to be provided for them therein as aforesaid, a lease prepared in pursuance of the Act Respecting Short Forms of Leases from the said Commissioners to the said Lessees, of the premises demised by the said indenture of the sixth June, A.D., 1903, as modified by the present agreement, shall be executed for the said extended term of ten years from the

first day of June, A.D., 1903, and the said lease shall contain all the provisions of the said indenture of sixth June, 1893, applicable to the altered premises, applying to such portions thereof as are substituted by this agreement for portions of the premises demised by the said indenture the terms, conditions, covenants and stipulations made by the indenture with respect to the portions of the said demised premises for which this agreement makes such substitution, save and except the provisions therein made for the renewal.

11. The said lease shall make the rights of the lessees in respect to the premises as modified by the terms of this agreement exclusive for the said term of ten years in the same manner, and to the same extent as the said rights of the Lessees were made exclusive by the said indenture.

12. The proposed removal by the Commissioners of the drive shed from its present location about fifty yards distant to a proposed location is assented to by the Lessees, the Commissioners not admitting that such assent is necessary.

13. And the said Lessees hereby release and discharge the said Commissioners from any claim or claims for damages hitherto caused them by the operation of any power company doing works of construction under the license of the said Commissioners, reserving, however, all their rights against any such company or companies in respect of any damage or injury caused them, the said Lessees, by the operation of such company or companies, in so far as such operations were not justified under such license

In witness whereof the parties of the second part have hereunto set their respective hands and seals, and the parties of the first part have affixed their corporate seal, and J. W. Langmuir, one of the Commissioners, hath set his hand.

Signed, sealed and delivered in the presence of ;

(Sgd.) James Wilson. (Sgd.) J. ZYBACH. (Seal)

(Sgd.) John Young Reid. J. T. BRUNDAGE. (Seal)

(by his Attorney, J. Zybach.)

As executed by J. W. Langmuir.

(Sgd.) J. W. LANGMUIR. (Seal)

Chairman.

Memorandum made at the time of the sealing and delivery of the within Agreement :

It is agreed by and between the parties hereto

1. That the shaft provided for by the paragraph one of the agreement may be constructed so that the outside circumference thereof nearest the Table Rock House shall be five feet from the south face of the south wall of the Table Rock House

2. And that the eighth day of June shall be substituted for the first day of June in both places where it occurs in paragraph four of the said Agreement.

3. In all other respects the provisions of t Agreement are to stand.

In witness whereof the parties of the second part have hereunto set their respective hands and seals, and the parties of the first part have affixed their corporate seal, and the Chairman of the Commissioners on this twenty-seventh day of February, 1903, hat set his hand.

Signed, sealed and Delivered in the presence of

(Sgd.) James Wilson. J. ZYBACH; (Seal)

(Sgd.) John Young Reid.

(Sgd.) J. T. BRUNDAGE. (Seal)

(By his attorney, J. Zybach.)

(Sgd.) J. W. LANGMUIR, (Seal)

Chairman.

AGREEMENT AND DEED.

The Commissioners of the Queen Victoria Niagara Falls Park and the Canadian Shipbuilding Company, Limited.

This Deed, made the thirtieth day of December, in the year One Thousand, Nine Hundred and Three, between His Majesty King Edward the Seventh, of the first part, and the Canadian Shipbuilding Company, Limited, a corporation duly formed under the laws of the Legislature of Ontario, and hereinafter called the Company, of the second part; and the Commissioners for the Queen Victoria Niagara Falls Park, acting herein on their own behalf as well as on behalf and with the approval of the Government of the Province of Ontario, and hereinafter called the Commissioners, of the third part.

Whereas the Company have applied to the Lieutenant-Governor of Ontario-in-Council for certain water lots, or lands covered with water, the property of the Crown, being the foreshores and bed of the River Niagara, containing 16 4-5 acres, and lying in front of part of lot No. 9 in the Cross concession, and part of lots Nos. 13 and 14 in the Fifth concession, Niagara River, in the Township of Bertie, in the County of Welland, and hereinafter more particularly described.

And the Company have also applied to the Commissioners for the grant of those pieces or strips of land lying between those portions of the lots above mentioned (namely, in front of part of lot No. 9 in the Cross concession, and part of lots numbered 13 and 14 in the Fifth concession, Niagara River, in the said Township of Bertie), and the water's edge of the River Niagara, over which, or part of which, exists a highway; the Company representing that they are the absolute proprietors in fee simple of the said lands, part of lot No. 9 and part of lots Nos. 13 and 14 above mentioned, such last-mentioned lands so held and owned by the Company being shown upon the plan hereto attached, and marked "Lands of the Canadian Shipbuilding Company, Limited"; and that the Company have in view the establishment and development of extensive commercial works on the lands of which they are now proprietors, and by means of the lands for which they now make application.

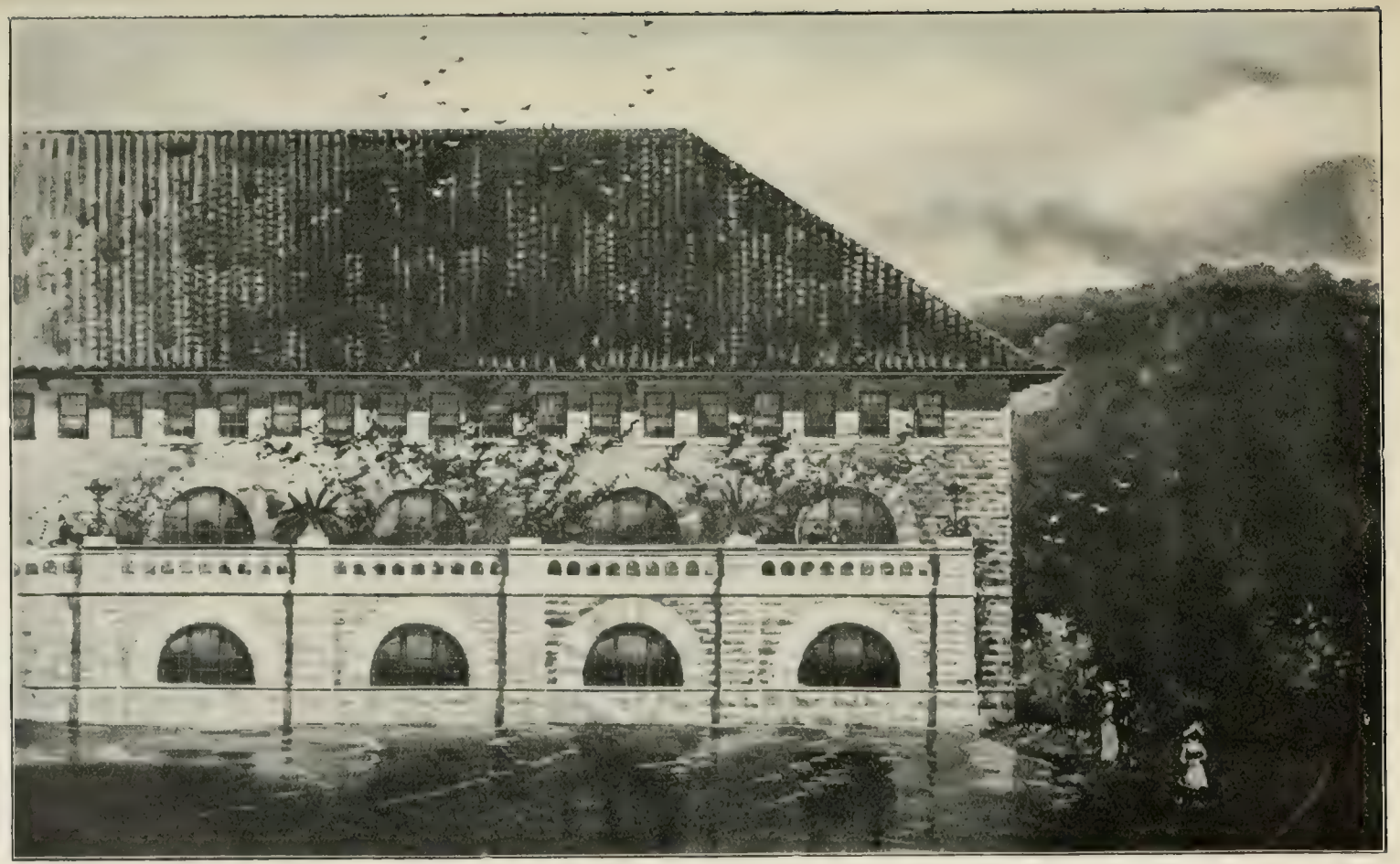
And whereas by an Act of the Legislature of Ontario, held at a session thereof in the year 1903, entitled "An Act providing for the construction of works and improvement along the bank of the Upper Niagara River," it is among other matters provided that in the event of the Government of Ontario at any time granting access over the bank of the Niagara River, or the highway on the said bank, or the railway to be built and operated at any time under the agreement as by the said Act intended to be made between the Commissioners with any Company or Companies, in pursuance of the powers and provisions in the said Act of the Legislature of Ontario contained, to the water lots along the bank, foreshores, or bed of the Niagara River, for commercial works or purposes, such grant shall be subject to such compensation to be paid to the Commissioners as the Lieutenant-Governor-in-Council may deem reasonable, and the construction by the applicants or grantees of such access, at their cost, of such works of restoration and maintenance thereof a the Lieutenant-Governor-in-Council shall deem to be adequate to continue and preserve the working of the railway to be built and operated at any time under the agreement to be made between the Commissioners and the Company or Companies as aforesaid, and also the free use of the highway, or such other highway constructed in substitution thereof to all persons using the same.

And whereas the Company have proposed that the line of railway to be built and operated, as hereinbefore recited, and in pursuance of the powers contained in the said

Approved design for the Power House of the Electrical Development Co'y in the Queen Victoria Niagara Falls Park.

Office Building for the Electrical Development Co., of Ontario, Limited, Queen Victoria Niagara Falls Park.

End view of Power House now being erected in the Queen Victoria Niagara Falls Park for the Canadian Niagara Power Co'y.



Side view of Power House now being erected in Queen Victoria Niagara Falls Park for the Canadian Niagara Power Co'y.

in part recited Act of the Legislature of Ontario, and also the highway along the bank as now existing, be placed to the southward and westward of the said existing highway, upon lands forming part of the lands hereinbefore described as the property of the Company, and as laid down in the plan hereto annexed and marked on said plan as "Lands for railway or highway purposes to be opened in accordance with the deed annexed," and now and hereby to be conveyed to the Commissioners for railway and highway purposes for the public uses of the Province, in pursuance of the purposes and provisions in the said Act of the Legislature of Ontario contained, and the Company have further proposed that upon the said lands being duly conveyed and vested in the Commissioners for the public uses of the Province, and upon the proper formation, construction, and dedication of a highway, in manner hereinafter provided upon part of the said land so vested and conveyed as aforesaid, the existing highway upon the bank between the points in front of which said water lots are described as situate, be forever closed.

And whereas the Lieutenant-Governor-in-Council has considered the said application of the Company, and also the recommendation and suggestions of the Commissioners, has ordered as follows:

Copy of an Order-in-Council approved by His Honor the Lieutenant-Governor the Eleventh Day of December, A.D., 1903.

The Committee of Council have had under consideration the annexed report of the Honorable the Premier, with reference to the application of the Canadian Shipbuilding Company, Limited, for a grant of certain water lots and the bank of the Upper Niagara River, and also of land on said bank now held and controlled by the Commissioners of the Queen Victoria Niagara Falls Park, and advise that the recommendation contained in the said report to be concurred in and acted on.

Certified. J. LONSDALE CAPREOL,
Asst. Clerk Executive Council.

To His Honor the Lieutenant-Governor

The undersigned has had under consideration the application of the Canadian Shipbuilding Company, Limited, for a grant of certain waterlots on the bank of the Upper Niagara River, and also of land on said bank now held and controlled by the Commissioners of the Queen Victoria Niagara Falls Park, and begs to report as follows:

It is represented by the Canadian Shipbuilding Company, Limited, that it is the owner in fee simple of land in the Township of Bertie, in the County of Welland, near the bank of the Niagara River, to the extent of about 106 acres, being composed of part of lot No. 9 in the Cross concession, and part of lots 12, 13 and 14, in the Fifth concession of the said township and that it has acquired the said land with the object of establishing and carrying on the business of shipbuilders, and that access to the River Niagara is required for launching and docking vessels, and other commercial purposes connected with the shipbuilding industry.

It is further represented by the said Shipbuilding Company, Limited, that in order to obtain access to the river it is necessary that the said Company should be licensed to extend its works upon and across the public highway situate on the river bank, including the lands vested in the Commissioners of the Queen Victoria Niagara Falls Park, in front of the lands acquired and controlled by the Company, and of which the Company is the owner in fee as above stated, and also to utilize the water lots and foreshores of the river now belonging to the Province of Ontario, which may be described as follows:

The water lots of the lands covered with water in front of the said lots 9, 13 and 14, beginning at the point at the Water's edge of the Niagara River, at a distance of 80

feet northerly and easterly from a line produced to the water's edge of the easterly limit of the land sold to the Canadian Shipbuilding Company, Limited, by Henry O'Brian, and then extending northerly and easterly down the stream to a point at the water's edge, where a line produced from the southerly edge of the Ridge Road would meet the same, according to plan made in triplicate by an Ontario Land Surveyor, of the said water lots, and filed in the Department of Crown Lands, the whole of which water lots or lands contain 1 4-5 acres, more or less.

It further appears that the Commissioners of the Queen Victoria Niagara Falls Park have represented that works for shipbuilding purposes at the locality indicated would be of general advantage, and have approved of a map or plan, subject to the approval of Your Honor in Council, whereby the objects in view may be secured by a change made in the highway on the river bank, without inconvenience to public use and without interference with the construction and operation of an electric railway along the river bank.

It further appears that at the recent session of the Legislature, an Act was passed (Chapter 6 of 3rd Edward VII.) providing for the construction of works of improvement along the bank of the Upper Niagara River, and that under the said Act certain powers with regard to the matters aforesaid, were conferred upon the Lieutenant-Governor-in-Council.

In view of the above the undersigned respectfully recommend as follows:—That for the object and purpose of establishing and carrying on the business of shipbuilders (as above recited, and on the same lands and premises of the Company held in fee simple as above described), the Commissioner of Crown Lands as representing His Majesty the King, do grant to the Canadian Shipbuilding Company, Limited, a license subject to the conditions hereinafter limited and contained, and revocable only on non-observance of or non-compliance with the provisions of such conditions or of any of them, to enter, take, use and occupy the above described water lots, or the lands covered with water, containing 16 4-5 acres, more or less:

And that for the object and purpose aforesaid the Commissioners of the Queen Victoria Niagara Falls Park do grant to the Canadian Shipbuilding Company, Limited, a license, subject to the conditions hereinafter limited and contained, and revocable only on non-observance of or non-compliance with such conditions, for the use and occupation of the lands lying between the lands of which the said Canadian Shipbuilding Company, Limited, is now the owner in fee as above recited, and the above described water lots or lands covered with water, containing 16 4-5 acres, more or less; Provided also that such grants are not to be construed as expressing or implying any covenants by His Majesty the King or the Commissioners for the title or quiet possession.

The said water lots and lands, which are the subject of the said licenses from the Crown, either by the Commissioner of Crown Lands or the Commissioners of the Queen Victoria Niagara Falls Park, may be applied to and for the purposes, businesses and uses connected with shipbuilding business; but said lands shall not be used for commercial purposes or as a shipping port, nor for the erection of elevators, but shall be restricted to such purposes as are necessary for the landing, receiving and storage of raw materials, coal, ores and the likes, necessarily required for use on the works erected or to be erected for shipbuilding purposes, on the lands now held in fee simple by the Company as hereinafter described.

Under the expression "shipbuilding purposes" shall be included other works, such as foundry or engine works, or blast furnaces, shipping, warehousing, as well as the manufacture of all or any articles, goods or materials used in whole or in part in or in connection with the business aforesaid, to be erected on the lands held by the Company

in fee as aforesaid, but no such other works as last above mentioned are to be erected on the water lots or lands, or the intervening strip of land vested in the Commissioners, the subject of the said licenses as aforesaid.

The grant by way of license as aforesaid to the Canadian Shipbuilding Company, Limited, of the said water lots or lands covered with water, containing 16 4-5 acres of land, more or less, as also the lands granted by the Commissioners, is conditional upon the carrying out and in compliance with the terms and conditions following :

1. The Company, with the consent and approval of the Commissioners of the Queen Victoria Niagara Falls Park and the Commissioner of Crown Lands, having in view the grant of the licenses herein referred to, has commenced upon the lands hereinbefore described as now held by the Company in fee simple, the erection of shipbuilding works and the installation of the machinery necessary for the same, and shall, on or before the first day of September 1904, actually expend, or have expended, not less than two hundred thousand dollars on such works and machinery.

In the event of any difference as to the amount of the expenditure in works and machinery, incurred by the Company, such difference shall be determined by the Commissioner of Public Works for Ontario, before whom, whenever required, the Company shall submit their books of account for examination.

2. That the sum of five hundred dollars for each and every year during the occupation by the Company of the lands, be paid by the Company to the Commissioner of Crown Lands, at the office of the Department, Parliament Buildings, Toronto, in advance, as the annual license fee for the occupation, subject to the aforesaid conditions, terms and limitations of the said 16 4-5 acres ; the first payment to be made on the first day of January, 1904, and to continue to be payable on every first day of January thereafter.

3. That neither the Company nor any assignee or person or Company claiming under the said Shipbuilding Company shall use the said water lots and lands which are the subject of the said licenses from the Crown, as represented either by the Commissioner of Crown Lands, or the Commissioners of the Queen Victoria Niagara Falls Park, for the purposes other than as hereinbefore provided.

4. That the Company shall not assign, separately or as separate tenements, the water lots and lands which are the subject of the said licenses by the Crown or by the Commissioners, without the permission of the Lieutenant-Governor-in-Council ; nor shall the same or any part thereof be transferable or assignable by operation of law as against the Company.

Such permission shall extend only to the permission actually given, or to the actual assignment thereby specifically authorized to be done, but not so as to prevent a proceeding for any subsequent breach in respect of other lands which are the subject of such licenses by the Crown not included in such permission, and all rights under covenants and powers of forfeiture and re-entry in the licenses contained shall remain in full force and virtue as if no such permission had been given;

But this restriction on the power or incidence of assignment shall not apply to lands as now held by the Company in fee simple nor to an assignment of the water lots and lands which are the subject of the said licenses if and when assigned in connection with the lands now held by the Company in fee simple, or such parts thereof as may be used by the Company for shipbuilding purposes, in case the said water lots and lands which are the subject of the said licenses are sold with such of the lands which may then be owned, held and used by the Company in fee simple, and sold as one property used for and as the shipbuilding property.

In respect of the said conditions numbered 1, 2, 3 and 4, it is hereby declared that if the Shipbuilding Company, Limited, has, in respect of any of the works to be done, failed in constructing or proceeding therewith, as provided in Condition No. 1, or has failed to pay the annual license fee as provided in Condition No. 2, or if the Company should at any time continuously neglect for the space of three years, and fail to carry on the shipbuilding business as such business is hereinbefore expressed to mean, on the lands and premises held by the Company in fee as aforesaid, or should the Company at any time fail to observe and keep the provisions of and contained in the conditions numbered 3 and 4, or disregard any of the four foregoing provisions or conditions, then the Lieutenant-Governor-in-Council, on notice to the said Shipbuilding Company, and after hearing, may forfeit all right, claim or demand, of or to any of the said lands the subject of the grant by way of license, as hereinbefore provided; and His Majesty the King may re-enter thereon, as of his former estate, without let, suit or hindrance by the Company, or any one claiming thereunder;

The Lieutenant-Governor-in-Council may nevertheless relieve against any forfeiture deemed to have been incurred, and the waiving by the Lieutenant-Governor-in-Council of any forfeiture, or of any matter or thing deemed to have been a forfeiture, shall not affect the right of the Lieutenant-Governor-in-Council to revive such forfeiture in case any condition on which it was waived is broken, or to again declare a forfeiture in respect of the same matter, or to declare a forfeiture in respect of the other matters at any subsequent time or times.

Subject to any general or special Act of the Legislature of the Province of Ontario applicable to the said Shipbuilding Company, it is further declared that upon the said conditions numbered 1, 2, 3 and 4 being complied with by the said Shipbuilding Company, in respect of the matters whereof there has been forfeiture or failure to observe such conditions as the Lieutenant-Governor-in-Council shall have deemed to be forfeiture or failure, and upon the Company giving such security as the Lieutenant-Governor-in-Council may require, to secure the due performance by the Company of the conditions numbered 1, 2, 3 and 4, then the whole of the said lands shall be vested, by way of license, as hereinbefore provided; and any other securities satisfactory to the Government may, from time to time, be substituted for the security so given by the said Shipbuilding Company.

That the grant of the Commissioners of the Queen Victoria Niagara Falls Park to the Canadian Shipbuilding Company, Limited, of the aforesaid lands by way of license, as hereinbefore contained, shall, for the enjoyment thereof by the Company, be co-extensive with and depend upon the conditions, terms, and limitations which affect the said water lots, or land covered by water, containing 16 4-5 acres, be the same more or less, as hereinbefore set forth, so that if the said Shipbuilding Company incur forfeiture or having incurred forfeiture in respect of the said lands or water lots, of 16 4-5 acres, or so often as there may be forfeiture or relief, obtain relief as hereinbefore provided, the holding of the said Shipbuilding Company, Limited, under the grant by the Commissioners shall be similarly affected.

That the Commissioners of the Queen Victoria Niagara Falls Park be paid by the said Shipbuilding Company, the sum of one dollar annually, the first payment whereof to be on the first day of January, 1904, as the license fee for the occupation, subject to the aforesaid conditions, for the soil of the highway and river bank aforesaid between the lands aforesaid of the Canadian Shipbuilding Company, Limited, and the said waterlots or lands covered with water, containing 16 4-5 acres, more or less, as hereinbefore described;

That the lands shown upon the plan produced as marked for railway or highway purposes be conveyed by the Canadian Shipbuilding Company, Limited, to the Commis-

sioners of the Queen Victoria Niagara Falls Park, with usual covenants for title as and for the public uses of the Province ;

That the Canadian Shipbuilding Company, Limited, to forthwith open, form and construct the highway upon the said land in the preceding paragraph described, on a location to be determined by the Commissioner of Public Works for Ontario, in accordance with the specifications contained in the aforesaid Act of the Legislature of Ontario above cited, and that the Canadian Shipbuilding Company, Limited, covenant for themselves and their assigns, owners of lands out of which the land for the said Highway has been taken, to duly maintain and keep in repair the said Highway, the efficiency and sufficiency of said repair to be such as the Commissioner of Public Works of Ontario may at any time require and order:

That the said Highway when opened and formed and constructed on the said land, and as soon as the same shall have been declared by the Commissioner of Public Works as formed and constructed to his satisfaction, shall then be deemed to be the Highway by the said Act of the Legislature cited, as constructed in substitution for the Highway on the River Bank, between the points opposite the limits of the said water lots hereby authorized to be licensed, and thereupon the Highway previously existing on the River Bank between the said points shall be forever closed.

Respectfully submitted

G. W. ROSS

Now therefore this deed witnesseth that for and in consideration of the matters hereinbefore set forth, and the due observance and fulfilment by the Company of the terms, conditions, stipulations, promises and provisoes hereinbefore recited as set forth in the report of the Honorable G. W. Ross, Premier of the Executive Council of Ontario, the said report being concurred in and acted on by the Lieutenant-Governor-in-Council, the said report and order being hereinbefore recited and set forth ; His Majesty the King acting herein by the Commissioner of Crown Lands for Ontario doth grant to the Company and its assigns a license as in and by the said Order in Council limited and provided, and being hereby declared to be in accordance with the said Order in Council, to enter, take, use and occupy the water lots on lands covered with water in front of the said lots 9, 13 and 14, beginning at a point at the waters' edge of the Niagara River at a distance of 80 feet northerly and easterly from a line produced to the waters' edge of the easterly limit of the land sold to the Canadian Shipbuilding Company, Limited, by Henry O'Brian, and then extending northerly and easterly down the stream to a point at the waters' edge where a line produced from the southerly edge of the ridge road would meet the same according to a plan made in triplicate by an Ontario Land Surveyor of the said water lots, and fyled in the Department of Crown Lands, the whole of which water lots or lands covered with water are shown on the plan hitherto attached marked "Water Lots, area 16 4-5 acres," to have and to hold the same, subject to the conditions, obligations and stipulations and restrictions, and with the benefits, rights and advantages provided for and contained in the hereinbefore recited order of the Lieutenant Governor in Council concurring and acting on the hereinbefore recited Report of the Premier of the Executive Council of Ontario as forming part of the said order, as applicable to the license granted, in respect of and relating to the said water lots, or lands covered with water, containing 16 4-5 acres, more or less ;

And His Majesty doth further grant to the Company and its assigns in which grant the Commissioners do join as grantors, in consideration of the matters hereinbefore set forth and the due observance and fulfilments by the Company of the terms, conditions, stipulations, promises and provisoes hereinbefore recited and made applicable to

such license to be granted by the Commissioners,—a license as in and by the said Order in Council, and the Report relating thereto, is limited and provided, to enter, take, use and occupy the lands lying between the lands of which the Company are now owners in fee as hereinbefore recited, and the above described water lots, or lands covered with water, containing 16 4-5 acres, more or less,—such lands so lying between the said parcels being marked and described on the map or plan hereto annexed as "River Road vested in the Commissioners of the Queen Victoria Niagara Falls Park to be closed in accordance with the deed annexed," to have and to hold the same subject to the conditions, obligations, stipulations, and restrictions, and with the benefits, rights and advantages provided for and contained in the hereinbefore recited order of the Lieutenant Governor in Council concurring and acting on the hereinbefore recited Report of the Premier of the Executive Council of Ontario as forming part of the said order, as applicable to the license granted in respect of the lands last mentioned and vested in the Commissioners as hereinbefore recited: And the Company for itself and its assigns doth hereby covenant with His Majesty the King and with the Commissioners jointly and severally, That for and notwithstanding the terms, conditions, stipulations, promises and provisoes hereinbefore contained and the rights of forfeiture in terms hereinbefore provided in respect of the said licenses to which the said rights of forfeiture are severally applicable, and not suffering or permitting any forfeiture thereunder to be varied or affected by this covenant; that the Company will duly observe and perform the obligation hereinbefore contained in the hereinbefore recited Order in Council and Report relating thereto, and numbered 1, 2, 3 and 4, as follows:—

1. That on or before the first day of September, 1904, actually expend or have expended not less than two hundred thousand dollars on such works and machinery as thereby specified.

2. That on the first day of January, 1904, and on every first day of January thereafter, during the occupancy by the Company, pay the sum of five hundred dollars to the Commissioner of Crown Lands at the office of the Department at the Parliament Buildings, Toronto, as the annual license fee for the occupation thereof as thereby specified.

3. That the water lots and lands described in the conditions shall not be used or permitted to be used by the Company or its assigns for purposes other than such as provided by the said conditions.

4. That, subject to the qualifying effects of the provision following said paragraph 4 as stated in the said Order in Council, the Company shall not assign separately or as separate tenements, the water lots and lands which are the subject of the said license by the Crown or by the Commissioners without the permission of the Lieutenant Governor in Council as by the said conditions specified and will also in accordance with the provisions of the last paragraph but one of the said Report forming part of the said hereinbefore recited Order in Council, forthwith open, form, and construct the highway, such work to be finished and completed within four months from the date of these presents; and also will maintain and keep in repair the said highway from time to time as by the said Order in Council and the Report forming part thereof, is provided, it being hereby declared that the maintenance and kepeing in repair by the Company and its assigns of the said highway, is among the considerations which have induced the Commissioners to grant the license to the Company of the land marked and described on the map or plan hereto annexed as "River Road vested in the Commissioners of the Queen Victoria Niagara Falls Park to be closed in accordance with the deed annexed."

And this deed doth further witness that the Company doth hereby grant to the Commissioners, such grant to be in pursuance of the Act respecting Short Forms of

Conveyances, that in consideration of one dollar of lawful money of Canada now paid by the Commissioners to the Company, the receipt whereof is hereby by the Commissioners acknowledged, the said Company doth grant unto the Commissioners in fee simple for the public uses of the Province, all and singular that certain parcel or tract of land and premises being parts of lots number 12, 13, and 14, Concession 5, Niagara River, in the Township of Bertie, in the County of Welland, as marked and laid down on the map or plan hereto annexed as "Lands for railway and highway purposes to be opened in accordance with the deed annexed," and may be described as follows :—

Commencing at a point in lot No. 14 at the intersection of southwestern limit of River Road with the southeastern limit of Ridge Road.

Thence southwesterly along said limit of Ridge Road 1,190 feet, more or less, to a point.

Thence southwesterly along said limit oots Nos. 13 and 14, 2,225 feet more or less, to a point on the easterly boundary of the land conveyed by Henry O'Brian on the sixth day of April, one thousand nine hundred and three, to the Canadian Shipbuilding Company, Limited.

Thence north 17 degrees 30 minutes east along said boundary line 1,324 feet to southwestern limit of River Road.

Then northwesterly along the said River Road 83 feet, more or less, to a point distant 80 feet from the aforesaid boundary line.

Thence south 17 degrees 30 minutes west 1,060 feet to point of curve.

Thence on a curve to right on a radius of 110 feet, 210 feet to the point of tangent, distant 80 feet at right angles from aforesaid line running diagonally across lots Nos. 13 and 14

Thence northwesterly parallel to aforesaid line running diagonally across lots Nos. 13 and 14, 1,809 feet to a point of curve.

Thence on a curve to right on radius of 110 feet 173 feet more or less, to point of tangent.

Thence at a distance of 40 feet from the Ridge Road and parallel thereto, northeasterly 995 feet, more or less, to the southwestern limit of River Road.

Thence northwesterly along the said River Road 40 feet, more or less, to place of beginning :

And the Company covenants with the Commissioners that the Company has the right to convey the said lands to the Commissioners notwithstanding any Act of the Company, and that the Commissioners shall have quiet possession of the said lands free from all encumbrances, and that the Company will execute further assurances of the said lands as may be requisite, and the Company covenants with the Commissioners that the Company has done no act to encumber the said lands, and the Company releases to the Commissioners all their claim upon the said lands.

In witness whereof the parties to these presents have on the day and year first above written executed the same as follows.—His Majesty the King by the sign manual of the Honourable E. J. Davis, Commissioner of Crown Lands for Ontario,—the Canadian Shipbuilding Company, Limited, by affixing its corporate seal and the signature of the President thereof,—and the Commissioners of the Queen Victoria Niagara Falls Park by affixing its corporate seal and the signature of John W. Langmuir, the Chairman thereof.

(Sgd.) E. J. DAVIS. (Seal)

CANADIAN SHIPBUILDING COMPANY, LIMITED.

(Sgd.) FREDERIC NICHOLLS, President. (Seal)

(Sgd.) J. W. LANGMUIR, (Seal)

Chairman Commissioner, Queen Victoria Niagara Falls Park.

REPORT

OF THE

Commissioner of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31st DECEMBER,

1903.

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

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REPORT

OF THE

COMMISSIONER OF PUBLIC WORKS

FOR THE

PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31st DECEMBER,

1903.

To His Honor Wm. Mortimer Clark, K.C.,
Lieutenant-Governor of the Province of Ontario, etc.

As required by the provisions of the statute in that behalf, I beg to submit the reports of the Departmental Architect, Engineer, Superintendent of Colonization Roads and the Accountant and Law Clerk for the year 1903.

The report of the Architect gives details of the works in connection with the maintenance of the Legislative and Departmental Buildings, and of the construction and completion of additions to the buildings at the several Public Institutions, and other Provincial Buildings under capital account.

The report of the Engineer contains details of the work at the several reserve dams; timber dams and slides and swing and fixed bridges crossing same; the blasting, dredging and improving channels of navigation, and clearing and dredging streams, etc.; and tabulated statement showing the mileage of completed railways and the number of miles now under construction.

The report of the Superintendent of Colonization Roads gives details of the works, etc., in connection with the building and repairs to colonization and mining roads during the year 1903.

The Accountant's Statement No. 1 shows the expenditure on maintenance and repairs account for Government and departmental buildings, institutions, etc., for the year 1903; Statement No. 2 shows the expenditure on capital account for public buildings and works, roads, railways, etc., for the year 1903; Statement No. 3 shows the total expenditure on capital account for public buildings and works, roads, railways, etc., from the 1st of July, 1867, to the 31st December, 1903; and No. 4 is a classified statement showing (a) the expenditure for four years and six months from 1st July, 1867, to 31st December, 1872; (b) the expenditure for thirty-two years from the 1st January, 1872, to 31st December, 1903; and (c) the grand total of expenditure from 1st July, 1867, to 31st December, 1903.

The Law Clerk's Statement No. 5 shows the several contracts and bonds entered into during the year 1903.

Respectfully submitted,
F. R. LATCHFORD, Commissioner.

Department of Public Works, Ontario,
January, 1904.

REPORT OF THE ARCHITECT.

Department of Public Works, Ontario.
Toronto, Dec. 31st, 1903.

To Hon. F. R. LATCHFORD, *Commissioner of Public Works, Ontario.*

SIR,—I have the honor to submit the following report covering the work of the Architect's Branch of this Department, from Jan. 1st, to Dec. 31st, 1903.

Although the past year has been remarkable for the numerous troubles in the labor circles, extending to all branches of the trades and labor, and consequently creating a great dearth of building materials of all kinds, most of the various works for which the Legislature made appropriations have been completed, and those uncompleted are well advanced. In a few cases where it was found to be impossible to obtain reasonable tenders for the work contemplated, it was deemed advisable to defer the works until next year.

The Provincial buildings in this city, including the Parliament Buildings, the Government House, Osgoode Hall, the School of Practical Science, the Education Department, Normal and Model Schools, the Asylum for the Insane, Central Prison and the Reformatory for Females have been well looked after by the Department, as also the roads, walks, grounds and gardens in connection with the institutions.

GOVERNMENT HOUSE.

As ordinary repairs only have been attended to in connection with the buildings during the past several year it was found very necessary to renovate the whole of the interior of the Government House. Repairs have been made and the walls and ceilings decorated by painting and papering in an artistic manner; a new hardwood floor has been laid in the ball room, which has also been tastefully decorated. Most of the furniture having been supplied when the building was first erected, and showed signs of considerable wear and tear, was repaired and recovered, and new furniture and carpets supplied where necessary, due regard being paid to economy. Such portions of the old carpets as were found to be in good condition were used to replace those that were worn out, on the upper floors. Improvements and additions have been made in the heating and electric lighting, and a complete system of electric bells has been installed, the old system of pull bells having been dispensed with. It was also found necessary to renew a large portion of the plumbing fixtures, which had become unsanitary; modern apparatus has been installed, and the whole system repaired and put in a thoroughly sanitary condition. The wood and stone work of the outside of the building and the fences enclosing the property on King, Simcoe and Wellington streets and other fences have been painted, the work being done under contract. As the flagstaff which surmounted the tower was considered to be unsafe, it has been removed, and an iron flagstaff 100 feet in height has been erected at the north-east angle of the lot facing King and Simcoe streets. Some repairs were made to the conservatory and greenhouses, as the latter are in poor condition if their usefulness is to be maintained, considerable repairs will have to be made to them next year. Slight repairs have been made to the lodge, the gardener's house and the stable and coach house, these buildings being in fair condition.

Parliament Buildings.

An important change has been made in altering the Municipal Committee room on the ground floor into two offices, to give accommodation to the Archivist, and converting the file room in connection with the Library on the first floor, west wing, into a committee room, the file cases having been removed to the Library proper are more conveniently situated under the eye of the Librarian. Additional shelving has also been provided for Library, which should be further increased next year to meet the pressing demands for space. Accommodation has been provided for the Chief Game Warden in the room fitted up on the landing of the private stairway, centre building, second floor, the room previously occupied by him on the ground floor has been given to Professor Miller of the Bureau of Mines, and properly equipped with cases for minerals, etc. The apparatus for fire protection has been kept in good condition and tested from time to time.

A number of the offices in connection with the various Departments have been suitably painted and decorated, and furniture supplied where necessary. The walks, roads and grounds have received proper attention. A statue of Governor Simcoe has been erected on the grounds at the east end in front of the Buildings by the Historical Society, the ceremony of unveiling being performed by His Honor the Lieutenant-Governor on May 27th.

Osgoode Hall.

About the usual amount of repairs have been made to this building. Particles of plaster having fallen from the ceiling of the main Library, it was deemed necessary to make an examination of the same, which has been done most thoroughly, a scaffold having been built for the purpose. Every inch of the work was carefully examined, and where any part gave signs of weakness it was removed and renewed, and other portions strengthened. The scaffold, which is constructed so that it can be easily put together, has been stored for future use. The ceiling will be carefully watched and examined when necessary. The Chief Justice's room and the Judge's Library, Court of Appeal, have been papered, painted and carpeted. The caretaker's rooms in the basement were kalsomined, painted and put in good order. Repairs and renewals have also been made to the heating and plumbing work. As the two-inch water supply main was considered too small for fire protection purposes, a 4-inch main has been put in, which will give an adequate supply for all purposes.

Education Department, Normal and Model Schools, Toronto.

The Normal School has been enlarged by the erection of large additions at the east and west sides, each being 40 x 73 feet, two stories in height, and a basement under the whole. The ground floor comprises a central corridor, approached by handsome entrances at each end, and is connected with the main staircase halls, which are lighted by large skylights in the roof, with murinese lights at ceilings. Ample class rooms are provided for Manual Training and Domestic Science on this floor, the former being located on the west side and the latter on the east side. The upper floor of the east end is entirely covered by a large class room, with a capacity for 158 students, which has been furnished with single adjustable desks and seats. The upper floor of the west end is divided into a ladies' waiting room and a commodious reading room, both of which have been suitably furnished. All of the apartments are thoroughly lighted and ventilated, the hardwood floors and embossed metal ceilings giving a bright and attractive appearance. The

staircase hall, the ceilings of the Principal's room, teacher's room, two class rooms, small laboratory and the lavatories in the old portion of the building have been covered with embossed metal, similar to the new additions, the plaster on same being badly cracked and in a dangerous condition, and in some places having fallen. I would strongly recommend that the remainder of the ceilings in the old portion of the building be repaired in a similar manner next year to ensure the safety of the occupants. The apartments above named have also been painted, papered and put in good condition; a hardwood floor has been laid in the small laboratory, which has been fitted up with a work table and cases for apparatus. A new laboratory table has been supplied to the chemical lecture room in the centre building, fitted with plumbing and gas appliances. The Manual Training rooms have been equipped with a lathe and forge for iron workers, and benches and lockers for woodworking, and tools for both purposes. The Domestic Science class room has been fitted with the latest approved fittings, including work tables for twenty-six students, with individual gas stoves for each. Coal and gas ranges and plumbing apparatus, dresser, refrigerator, etc., etc., and everything necessary to make a complete and up-to-date equipment. The plumbing in lavatories on the upper floor has been repaired and put in good order. The additions and the staircase halls in the old building have been wired for electric light. With the exception of the drainage, which was done by men employed by the Department, the whole of the work has been done by contract, the contracts being awarded to the lowest tenderers as follows: For the erection of additions and alterations to the old buildings, Messrs Henry Martin & Son; constructional iron work, The McGregor & McIntyre Co.; for the plumbing, gas piping and electric wiring, The Bennett & Wright Co.; for the painting of old building interior, Messrs. Davies & Son; for the tables and fittings, Domestic Science, The Burton & Baldwin Co., of Hamilton; for the cases for laboratory, Wm. Simpson & Co; for fittings for Manual Training, Messrs. J. B. Smith & Sons. Improvements have been made to the steam heating apparatus to the Normal and Model Schools, the work being done under contract by The Bennett & Wright Company. The contract included the heating of the additions. The three steam heating boilers were repaired and lowered three feet, to admit of the condensation returning by gravity to the boilers. New mains and returns have been placed of increased size, and the whole of the apparatus overhauled and left in good working order. The boilers and piping have been covered with mineral wool covering, the work being done by the Canada Covering Co. under contract. In connection with these improvements to the heating, a large amount of work which could not be foreseen was found to be necessary. The tunnelling under the old buildings had to be made deeper than was anticipated, the inside walls, which were found to be only a foot or two below the surface, had to be underpinned in some places. This portion of the work was done by men employed by the Department under a foreman.

School of Practical Science, Chemistry and Mining Building.

A full description of this building is gvien in my report of last year.

Owing to the difficulty in procuring materials and the strikes of the laborers, carpenters, constructional iron workers and bricklayers causing annoying delays from time to time, the erection of the building was subject to considerable delay. The walls have been carried up, and the roof is now being put on, and the work is sufficiently advanced to ensure of the building being completed (barring strikes) in time for the next session of the

school. Plans and specifications were prepared and tenders called for the milling building, in connection with the chemistry and mining building, and the contract awarded to Messrs. Henry Martin & Son, their tender being the lowest for the work. Considerable delay occurred in commencing the erection of this building, owing to the printing press of the University of Toronto being located in the old Wycliffe College building, which stood on the site of the Milling building, and could not be demolished until the printing for the University had been completed for the year. As the University authorities were unable to procure suitable and convenient premises to which the plant could be moved, a further delay was also occasioned by the inability of the contractors to obtain the quality of bricks to harmonize with the chemistry and mining building in time to expedite the work. The walls have been carried up, the roof is being put on, and the building will be fully completed, weather permitting, in a few weeks. The building is located to the north of the chemistry and mining building, and 12 feet from the end of the boiler house of the latter. The outside dimensions are 80 feet from north to south and 70 feet from east to west; in height, one story of 25 feet. The design is similar in character to the larger building. It is divided into two compartments, in one of which will be erected a complete milling plant embodying the most modern ideas along that line.

Necessary repairs have been made to the old School of Practical Science building, roofs, walks, etc. Repairs have been made to two steam heating boilers, including the renewal of grates, the original bars being worn out. Additional electric light have been placed in the draughting rooms, and the building generally kept in good condition. Tablet chairs have been placed in the chemical lecture room and other furnishings supplied.

Reformatory for Females.

General repairs and alterations to the institution have been made by the Inspector. The work undertaken by this Department consisted of the reconstruction and improvements of the laundry, the floor being raised to the level of the other floors, is constructed of steel beams, expanded metal and cement, supported on walls and brick piers; new wash tubs have been fitted in place, and the dryers reconstructed. An extractor has been fitted up, being operated by a motor, which also operates an exhaust fan for ventilation. The steel beams were supplied and erected by the Hamilton Bridge Works Co., and the expanded metal and cement work by The Expanded Metal Co., the remainder of the work being done by men employed by the Department.

Asylum for Insane, Toronto.

General repairs have been attended to. Contract for wiring for electric lighting in the centre building was awarded to the Keith & Fitzsimmons Co.; the work has been completed. The contract for fixtures for centre main building was also awarded to this company. A contract for wiring for extension of electric lighting in the centre of the main building and the east and west wings was awarded to Messrs. McDonald & Wilson, the work being about completed. Tenders were called for in both cases, and the work given to the lowest tender.

Provincial Institutions Outside of Toronoto.

The Provincial institutions outside of this city, comprising many buildings, have also received the careful attention of the Department, in-

cluding the Asylum for Insane, Mimico; the Asylum for Insane, Hamilton; the Asylum for Insane, London; the Asylum for Insane, Kingston; the Asylum for Insane, Brockville; the Asylum for Insane, Cobourg; the Asylum for Idiots, Orillia; the Asylum for Epileptics, Oxford; Deaf and Dumb Institution, Belleville; Blind Institution, Brantford; Reformatory for Boys, Penetanguishene; Agricultural College, Guelph; Normal and Model Schools, Ottawa; Normal and Model Schools, London; Dairy School, Kingston; the Court Houses, Goals and Lock-ups in the Districts of Algoma, Thunder Bay, Muskoka, Parry Sound, Nipissing, and Rainy River.

Asylum for Insane, Mimico.

Bath rooms have been equipped with the Gegenstrom bathing apparatus in two of the cottages, the floors having been reconstructed with steel beams, brick arches and cement, and finished with tile, the walls being plastered with cement and painted. The materials were purchased by the Department the work, with the exception of the tiling, being done by asylum labor. It is proposed to fit up bath rooms in two of the other cottages in a similar manner next year. General repairs have been attended to.

Asylum for Insane, London.

The infirmary building is completed, and has been occupied for some time. The electric and gas fixtures were installed by the City Gas Co., of London, their tender being the lowest.

The addition to the laundry has been completed and equipped with new machinery, including a large mangle, a cylinder washing machine, an ironer and starcher, new wash tubs, etc. A steam hoist has been erected in place of the old hand hoist, and is working satisfactorily.

An additional story has been built to the carpenter shop to give additional space for other trades, including shoemakers, tailors, etc. The steam heating has been extended to this floor; sanitary conveniences have been provided and placed in position. The work was done by the asylum labor, under the supervision of the Department, the materials being purchased by tender. The reservoir for water supply has been enlarged and reconstructed; the bottom laid with concrete, finished with cement, continued four feet up the sides, which are constructed of field stone to surface of ground, grouted in with cement, and finished on top with a cement coping, surmounted with an iron railing. The dimensions of the reservoir are as follows: Length, 300 feet; width, 88 feet; average depth, 8 feet. The work has been done entirely by asylum labor under a competent foreman employed by the Department.

Repairs have been made to the slating of the roof of the main building, a large quantity of renewals being necessary, to put the roof in thorough repair, the work should be continued next summer. Repairs have also been made to the roofs and conductor pipes of the other and numerous buildings in connection with the institution.

Asylum for Insane, Hamilton.

Additions have been erected to the east and west wings of the main building, four stories in height, giving additional dormitory space for sixty patients at a very moderate cost. The work was awarded to Mr. F. Dickenson after tenders were duly called for, and his found to be the lowest.

The Medical Superintendent's house, which was damaged by fire in March last, has been repaired and put in good order.

The slating and galvanized iron work of the roofs to the various buildings have been repaired.

The Gegenstrom bathing apparatus has been fitted up in two of the bath rooms in the main building, the floors having been reconstructed with steel beams, brick arches and cement, finished with tile, the walls plastered with cement and painted.

The water supply to orchard house and farm buildings being insufficient, a new 4-inch main has been laid from the pump in the boiler house in the main building, extending to Orchard House, and from there to the farm buildings, a distance of about 2,000 feet. The excavation for same was done by asylum labor, and the pipe laying by men employed by the Department. The pumps and engines in the main pumping station in Queen street have been repaired and put in good order.

Three of the old boilers, with a combined capacity of 150 horsepower, having given out, have been removed and replaced by two 100 horsepower multi tubular boilers, the contract being executed by the Polson Iron Works Co., the lowest tenderers for the work. The brick setting was done by men employed by the Department in a most thorough manner. The steam connections were also necessarily changed. Important changes still remain to be made to put this plant in a satisfactory condition.

Three arc lamps have been placed on the road leading to the entrance to the Asylum by the Hamilton Cataract Power & Light Co. The contract included the poles, lines, etc., complete.

Asylum for Insane, Kingston.

The work on the cottage for convalescents and Nurses Home, with the exception of the slating and galzanized iron work, the heating, plumbing and electric wiring, has been done by men employed by the Department under a foreman, the materials being purchased by tender. The building is completed with the exception of the finishing of the interior woodwork, which will be done by asylum labor.

Hot water heating and plumbing plants have been put in by the Messrs. Elliott Bros. The building has been wired for electric light, the work being done by Messrs. Brock & Halliday. The slating and galvanized iron work was done by the Messrs. Elliott Bros. Tenders being duly called for, the lowest was accepted in every case.

The lavatory of the north cottage (a building erected over sixty years ago), which had become decayed and in danger of falling, has been pulled down and rebuilt by men employed by the Department, the contract for plumbing being executed by Messrs. McKelvey & Birch.

The painting of the outside woodwork of the main building was completed by Mr. W. J. Savage, under contract. The contract for the 100-horsepower boiler which I mentioned in my report for last year was given to Messrs. Selby & Youlden, who were unable to procure materials to finish the boiler in time to have it placed in position before the cold weather set in. The old boiler has been put in condition and reported fit for another season's work, so that the institution will not suffer from the delay. The new boiler is completed, and will be set in place as soon as the steam heating is shut down.

The cottages for tuberculosis patients have been enlarged and repaired. The roof of the main boiler house has been repaired and re-covered with galvanized iron, the work being done under contract by Mr. J. Pollie. Repairs have been made to the buildings generally.

Asylum for Insane, Brockville.

Two of the bathrooms in the Main Building were fitted up with spray baths (Gegeustroms); the fittings were supplied by the Department, the work being executed satisfactorily by the employees of the asylum. Alterations were also made in the drying room, in connection with the laundry, the dryers were reconstructed under the Hanrahan system, the fittings being supplied by the Department and the work done by asylum labor. Repairs were made to the steam boilers, repairs were also made to the buildings as required.

Asylum for Insane, Cobourg.

Slight repairs only were made to this Institution. Plans and specifications were prepared and tenders called for the Medical Superintendent's residence, as the tenders received were considered unsatisfactory, it was decided to postpone the erection of the building until next year.

Asylum for Idiots, Orillia.

An addition 60 feet in length has been built to the root house by Mr. J. R. Eaton of Orillia, the work being done under contract. Repairs have been made to two of the original Fitzgibbon boilers, which are about used up, and will have to be renewed next year. General repairs have been attended to.

Asylum for Epileptics, Oxford.

A most desirable site, containing 100 acres of good farm land, has been purchased for this Institution, situated in the Township of East Zorra, in the County of Oxford, about three-quarters of a mile to the north of and overlooking the City of Woodstock. The Institution when completed will be composed of an Executive building, giving accommodation for official quarters, six cottages for patients and a central building for laundry, stores, etc.

Plans and specifications were prepared for two cottages, and tenders advertised for on September 7th, and the contract awarded to Messrs. Nagle & Mills of Ingersoll, their tender being the lowest. Work was immediately commenced on the awarding of the contract and good progress has been made with the works, the basements of both buildings have been built and the work closed down for the winter, being properly protected from the frost. Work will be resumed as soon as the winter breaks up and buildings completed and ready for occupancy by the end of the summer. The cottages under construction are self-contained and give accommodation for from sixty to seventy patients. Suitable accommodation being also provided for caretakers and attendants. The buildings will be heated by hot water and lighted by electricity and the most approved plumbing apparatus will be installed.

Agriculture College, Guelph.

The work under the Department in connection with this Institution has been completed, including the renewal of two hot water heating boilers in the green houses, the old boilers being beyond repair; two Bright Idea boilers were purchased from the Gurney Foundry Company and placed in position. Alterations and improvements in lighting have been made in the Experimental building, by placing two large metallic skylights in the roofs, with lights in the ceiling of Murinese glass, the work being done under contract by Mr. L. C. Wideman of Guelph.

Special apparatus has been supplied and fixed in laboratories as required.

The power and engine house has been fully completed and the main water supply pump placed in position, the work being done by the engineer of the Institution.

Institution for Deaf and Dumb, Belleville.

Ordinary repairs have been attended to. An additional story has been built over the boiler house extension to increase the capacity of the laundry. The contract was awarded to the lowest tender that of Messrs. Thompson Bros. of Belleville. The work was completed early in the season. New laundry machinery, consisting of a mangle, extractor, 1 large and 1 medium tub washers, two ironers, and one press was purchased by tender from the Meyer Bros. of Toronto, who have satisfactorily installed the same. Most of this machinery was required to replace old machines which were beyond repair.

Slight repairs were made to the steam boilers and brick setting, as these boilers are old and wearing out. An appropriation will be asked for new boilers in the estimates for next year.

As the drain on the north side of the fence on the main road in front of the Government property was not of sufficient depth to permit the water to get away, overflowed the road and flooded a neighbor's cellar. To remedy the evil it was found to be necessary to lay a 15 inch tile drain inside of the front fence from the southwest corner of the farm on the main road connected with the old sewer, a distance of three hundred feet. The tiles were purchased and the work done by men employed by the Department. Repairs, etc., have been attended to.

Institution for the Blind, Brantford.

Repairs, etc., have been made as required. An appropriation was asked for in this year's estimates for an addition to the lavatory, as it was found that more work had to be done than had been estimated on. The Department did not think it advisable to proceed with the erection of the building until an appropriation sufficient to do the work was granted by the Legislature.

Normal and Model Schools, Ottawa.

The equipment of the Domestic Science room in the Normal School has been completed; the furniture was supplied under contract by the Messrs. Burton & Baldwin Co. of Hamilton, and the plumbing done under contract by the Messrs. Butterworth & Co. of Ottawa, the tenders of both being the lowest received. A hardwood floor has been laid in this room and the walls and woodwork painted. Improvements have been made in the lighting of the reading room on the upper floor of the Normal School. A new skylight has been placed over same, glazed with prismatic glass and has added greatly to the lighting of the room, the work being done under contract by the Messrs. Knox Bros. of Ottawa. Their contract also included the covering with metallic sheeting of the ceilings in the side halls to the Normal School, which showed danger of falling. Several of the rooms have been painted and kalsomined. Improvements have been made in the lighting of the large class room on the ground floor by placing prismatic glass in the upper sashes; it is proposed making further improvements along this line next year. About the usual amount of repairs have been made to the buildings, including the roofs, yards, etc., etc. Repairs have also been made to the old

Fitzgibbon boiler, which is used as an auxiliary in connection with the steam heating plant. The steam mains and returns, which were put in last year by the Department, have been covered with asbestos mineral wool covering. The material was supplied by the Department and put on by the engineer of the Institution.

Normal School, London.

Slight repairs were made to this building. Improved shaking grate bars have been placed in one of the steam heating boilers.

Reformatory for Boys, Penetanguishene.

Only necessary repairs have been done to these buildings during the past year.

Algoma District.

Repairs have been made to the gaol at Sault Ste. Marie, the drains from the sinks have been connected with the sewer, the work was done under contract by Messrs. Farrell & Gallagher. An appropriation should be asked for the new plumbing and heating plants for this building in next year's estimates.

A lock-up has been erected at Cutler, the work being done by day labor under a foreman and the materials purchased by tender.

Repairs have been made and furniture supplied to the lock-ups at Sault Ste. Marie, Manitowaning, Chapleau, Blind River, Webbwood, Massie, Little Current, Cutler and Gore Bay.

Thunder Bay District.

A lock-up has been erected at Nipegon, the work being done by day labor under a clerk of works, materials being purchased by tender. Considerable repairs have been made to the Court House, gaol and gaoler's house at Port Arthur. The old wood shingles on the roofs have been removed and the roofs covered with galvanized iron shingles. The work was done under contract by Messrs. Wells & Emmerson of Port Arthur.

Repairs, etc., have been made to the gaol at Fort William.

Muskoka District.

A plumbing plant has been installed in the gaol at Bracebridge consisting of water closets and baths. A water closet has been installed in the Court House, both being drained to the septic tanks erected on the premises, the work being done under contract by the Purdy-Mansell Co. of Toronto, the lowest tenderers. Repairs have been made to the Court House and gaol at this place.

Repairs have been made to the lock-up at Huntsville.

Parry Sound District.

A hot water heating plant has been installed in the Court House and goal at Parry Sound, the contract having been executed by the Messrs. Elliott Bros. of Kingston, their tender being the lowest. Repairs have been made to the Court House and gaol and furniture supplied as deemed necessary. Repairs have been made to the lock-ups at Burke's Falls, Magnetawan and French River.

Nipissing District.

Improvements have been made in the hot water heating system in the Court House and gaol at Mattawa. A new boiler and additional radiators have been placed in position, the work being done by the Messrs. Elliott Bros. of Kingston, their tender being the lowest.

Necessary repairs have been made to the Court House and gaol at North Bay; the flue to which the pipe from the heating boiler was connected was found to be too small to permit of the boiler working satisfactorily, has been enlarged.

A lock-up has been erected at Bonfield, the work being done by men employed by the Department.

Repairs have been made to the lock-up at Sudbury.

Rainy River District.

The plumbing plant has been installed at the gaol and Court House at Rat Portage; also a plumbing and heating plant in the gaoler's house. The work was done under contract by A. T. Fife & Co. of Rat Portage. Some improvements and repairs were also made in the Court House, the work being done by Messrs. Wells & Emmerson.

Plans and specifications were prepared for a Registry Office in Fort Francis. Tenders were called for and the contract awarded to Mr. S. C. Sharman of Rat Portage, his tender being the lowest. The building is nearing completion and should be finished in the course of a few weeks, and will be equipped with vault fittings, etc.

Furniture has been supplied to the lock-ups at Emo, Beaver Mills and Antikokan.

Repairs have been made to the lock-ups at Rainy River and Mine Centre.

I have the honor to remain

Your obedient servant,

FRANK R. HEAKES,
Architect.

REPORT OF THE ENGINEER.

Toronto, December 31st, 1903.

To the Hon. F. R. LATCHFORD,
Commissioner of Public Works, Ontario.

SIR, —I have the honor to report upon the engineering works which have been constructed, the repairs and improvements made to bridges, locks, dams and other works during the year 1903; also respecting the extension of railways throughout the Province:

BRIDGE AT COMBERMERE.

The old bridge across the Madawaska River, in the Village of Combermere, was originally erected thirty-one years ago. It was extensively repaired in 1890. A swinging span was constructed in 1897 to enable the steamer which plyed between Barry's Bay on the Canada Atlantic Railway and Combermere to extend the trips to Palmer's Rapids, a distance of six miles, and from there to Havergal on the York branch of the Madawaska, a further distance of about eight miles; also up the Mississippi branch to the First Chute, a distance of about eight miles, a portion of the fixed structure being removed to make room for the swing.

The older or fixed portion of the bridge was in such a decayed condition that it became necessary to entirely rebuild it. The total length of the bridge is 320 feet, and consists of three fixed spans each of 55 feet in length in the clear between the piers. These are constructed of pine timber Queen trusses; the swinging span 52 feet in length being in good condition, was not renewed. The remainder of the structure consists of stringers resting upon cribwork abutments.

The substructure consists of timber cribbing. The piers under the fixed spans were rebuilt from low water upwards, a height of 11 feet; the pivot pier under the swinging portion was entirely rebuilt from the bottom, and is 12 feet wide, 17 feet long, and 16 feet high.

Tenders were invited for the necessary timber. The lowest, that of Mr. J. D. McCrae, of Eganville, was accepted. The delivery of materials was completed on the 27th October. The work of building is now well advanced, and is expected to be completed by the middle of January. A re-vote of the unexpended balance will be required for the coming year to complete the structure.

STEEL BRIDGE AT OUTLET, LAKE OF THE WOODS.

The old floating bridge across the easterly branch of the Winnipeg River, on the Colonization Road connecting the Municipality of Rat Portage with Norman and Keewatin, was constructed in the year 1886 and has lost much of its buoyancy, and is altogether inadequate for the traffic over it. An appropriation of $16,000.00 was taken for the erection of a permanent steel structure.

Immediately on the close of the Session in July last, tenders were invited by advertisement for the construction of the substructure. These tenders were considered too high, and work was commenced under an experienced foreman, who soon after commencing was taken so seriously ill he was obliged to leave the work, whereupon Messrs. Kelly Bros. of Rat Portage, asked to be allowed to reduce their tender to the sum of $10,000.00. This being considered satisfactory, was accepted, and the work was pushed on vigorously, and the concrete work was completed before any severe frost occurred.

Tenders for the steel superstructure were invited from several bridge companies, but, owing to the great activity in this industry, only two tenders were received, the other companies replying that they could not tender for delivery during the present year. Tenders are now being received for delivery early in the New Year, and it is hoped these will prove more satisfactory.

The bridge will consist of three spans of about 136 feet each. The substructure consists of two concrete abutments on rock foundation and two concrete piers supported on pile foundations, the concrete extending two feet below extreme low water. The piles are protected by a casing of cribwork filled with stone.

A re-vote of the unexpended balance and sufficient to complete the superstructure will be required for the coming year.

Swing Bridge, Scugog River Works.

The swing bridge below the locks at Lindsay over which there is a very heavy traffic, had become decayed, and was in an unsafe condition. It was rebuilt in a satisfactory manner by workmen in the employment of the Department. It is built on the Howe truss principle, or pine timber dressed, and painted three coats. It has a length of 94 feet, with a roadway 16 feet in width, and a foot walk 6 feet in width. The pivot pier has been renewed in concrete instead of cribwork. It is 20 feet square and 4 feet in height. The rest piers at either end were raised 6 inches with concrete, to bring the floor to the same level as the fixed portion of the bridge.

Stanley Bridge, Thunder Bay.

Stanley bridge, across the Kaministiquia River, twenty-two miles westward from Port Arthur, has a total length of 724 feet 9 inches. The southerly portion was rebuilt during the present year, extending across the southerly channel and an island that is in the stream at this point, the length of the portion renewed being 469 feet 4 inches. It consists of three spans of 51 feet, one span of 46 feet, one span of 35 feet, the balance being stringers resting on cribs and bents. The portion over the northerly channel, a length of 255 feet, will also required to be renewed at an early date.

Swing Bridge, Concessions 8 and 9, Ryerson.

A new swing bridge across the Magnetawan River on the road between concessions 8 and 9 in the township of Ryerson is now under construction. It will enable parties living on the westerly side of the river to reach the railway at the village of Burk's Falls by a direct road instead of travelling many miles around the river to reach their market town.

A substantial pivot pier has been constructed of concrete upon a pile foundation. The bridge is built on the Howe truss principle, with gallows posts and guy rods, the ironwork from the old bridge at Huntsville being utilized. When open there will be two openings of 55 feet 7½ inches each, the total length of the swinging portion being 145 feet 3 inches. The shore piers or abutments are of piles, and the approaches of framed bents and stringers have a length of 125 feet. The width of the roadway is 14 feet. The work is well advanced, and will be completed early in the New Year. A re-vote of the unexpended balance will be required.

Blind River Bridge.

The old bridge in the village of Blind River, at present used by the public, was built upon private property by the private owners, and has become altogether inadequate to the wants of the village. A new bridge upon a new site became necessary, and an appropriation was made at the last session for that purpose. The site selected is north of the Canadian Pacific Railway on Causley street.

The bridge consists of two spans of 60 feet, three spans of 40 feet, and three spans of 20 feet each, and is built of pine timber. The foundation is of cribwork for the longer spans, and pile trestles for the shorter ones. The work has been carried on by men in the employ of the Department under the charge of the Bridge Inspector of the Colonization Roads branch, and is well advanced. It is expected to be completed in January of the New Year.

Seguin River Bridge, Parry Sound.

The sub-structure of this bridge was constructed by the Municipality of the town of Parry Sound, in accordance with plans and specifications prepared by the Department, and consists of two concrete abutments and two concrete piers. An appropriation was made at the last Session to provide for the steel superstructure. Tenders were received from three bridge companies, the lowest, that of the Hamilton Bridge Works Co., of Hamilton, was accepted, and a contract was entered into by them to complete the bridge on the 15th of December. Owing to the great activity in this industry their shops have been so full of work that they have failed to complete the bridge in the time specified, but they promise to commence the erection in the first week of the New Year. The amount of the appropriation will, therefore, require to be re-voted. The bridge will consist of two spans of 55 feet each, and one span of 70 feet, with a roadway 16 feet in width, and one foot walk 5 feet in width.

Black River Bridge in Stisted Township.

The old bridge, 422 feet in length, was expensive to maintain in good repair. In rebuilding, 258 feet of the approach was filled with earth, the embankment having a top width of 12 feet, with side slopes, one and one-half horizontal to one vertical, the height averaging 6 feet 6 inches. The new structure consists of nine spans 16 feet in length, and one 20 feet in length, supported on pile bents, each consisting of four good tamarac piles capped with 8-inch x 12-inch caps 14 feet long. There are four stringers, 8-inch x 12-inch, with corbels under same, four feet in length. The floor is 22 feet in width, of 3-inch planking.

The whole bridge, including the embankment, is provided with a substantial railing.

Buck Lake Bridge, in Stisted Township.

This bridge consists of four spans of 14, one of 16, and one of 20 feet supported on pile bents with caps, stringers, flooring, etc., similar to the Black River bridge described above. This bridge replaces an old one which had a 50-foot clear span, with pile approaches. It was considered that 20 feet clear span gave sufficient waterway, and a good pile bridge could be built much cheaper than a truss.

The northerly approach was filled for a distance of 8 feet with timber covered with earth.

Frontenac Bridges Destroyed by Fire.

During the latter part of April of this year there was a very little rainfall in the northerly portion of Addington and Frontenac, and while the settlers were engaged clearing their lands, burning brush, etc., on the 30th of April a fierce gale sprang up. As everything was very dry, the fires got beyond their control, and spread with rapidity; the grass, leaves and twigs caught like tinder, igniting the fences, trees, groves and buildings, etc. Several bridges were also destroyed. An appropriation of $4,000 was made to rebuild these and relieve the ratepayers, who had themselves lost so much, of the tax that would have been necessary to renew them.

The bridges destroyed were Mud Lake bridge, situated on lot No. 21, con. 1, Palmerston; a bridge known as Laundrys, on lot No. 41, con. 1, Clarendon; two bridges near Cameron's Mills on lot No. 35, con. 3, South Canonto, over the Clyde River.

In rebuilding Mud Lake bridge, which had been 366 feet long over deep water, a more favorable site was found a short distance up the stream, where the length was reduced to 138 feet, and the depth of water is not more than three feet. The necessary by-laws for the alteration of the roadways were passed by the Municipal Corporation of the united townships of Palmerston and North and South Canonto. The new bridge consists of one span 25, one 24, one 22 and one 20 feet in clear width, supported on five piers 16 feet in length, three of them being 8 feet, one 10 feet, and one 13 feet in width, built of round cedar and filled with stone. The stringers are of cedar, five in number, and are 10 inches in diameter at top. The covering or floor, 16 feet in width, is of hewn cedar 5 inches in thickness. There are filled approaches 33 feet long at one end and 25 feet at the other. The whole is provided with substantial railings four feet in height.

The site of the bridge known as Laundrys was also changed, the object being to avoid a very long and heavy grade at the easterly approach. The by-laws necessary for the alteration were passed by the Municipality of the Townships of Clarendon and Miller. By the diversion of the road a long, high and dangerous hill has been avoided, and the change is much appreciated by all parties who use this road. The bridge over the stream is made in one span 18 feet in width, and the approaches filled with earth.

The bridge a short distance west of Cameron's Mills, known as the high bridge, has a span of 24 feet, of five cedar stringers, supported on two abutments 16 feet x 11 feet, and 16 feet x 10 feet respectively, built of flatted cedar. The flooring, 16 feet in width, is of hewn cedar 5 inches in thickness. The easterly approach is filled with rock, is 12 feet in length and 10 feet in height. The westerly approach is filled with timber, and is 25 feet in length. The whole is provided with a substantial railing 4 feet in height.

The bridge to the east of Cameron's Mills has a span of 25 feet, of clear cedar stringers, supported at one end on a pier 8 feet x 16 feet, built of flattened cedar; at the other upon a rock bank. The flooring is 15 feet wide, of hewn cedar five inches in thickness. A substantial railing is provided four feet in height.

Kinmount Bridge.

In the estimates for 1902, $1,000 was granted towards renewing the bridge over Burnt River, at Kinmount, conditional upon the townships erecting substantial substructures and steel superstructures. The work was not completed last year. In the estimates for 1903 this amount was re-voted, together with an additional $500. Notice of the completion of the bridge having been sent to the Department, an inspection was made on the 15th of

July last, and as the work was found completed in a substantial and satisfactory manner, the amount of the grant, $1,500, was paid to the Treasurer of the township of Somerville.

The bridge consists of two spans of 63 feet each, and has a clear width of roadway of 16 feet, with a sidewalk on one side 4 feet 6 inches in clear width. The superstructure is of steel, with steel floor beams and joists. The roadway is planked with 3-inch tamarac.

The sub-structure is built of first-class masonry, with stone from the Burnt River quarries. The approaches are made with dry stone walls and earth filling, being 68 feet in length on the westerly end, and 36 feet on the easterly end. Substantial railing is constructed on each side of the approaches.

The iron superstructure cost $1,944. The total cost of the work was $4,050.

Gannons Narrows Bridge.

A grant of $1,000 was made at the last Session of the Legislature towards the construction of a bridge at Gannons Narrows, between Pigeon and Buckhorn Lakes, in the County of Peterboro', conditional on local or other grants being provided to complete the work. Notice of the completion of the bridge was received at the Department, and an inspection was made on the 3rd of September, and as the work was found completed satisfactorily, the amount of the grant was paid to the Treasurer of the County of Peterboro'. The work was carried out by the municipality, who utilized the materials from the old floating bridge at Chemong, which had recently been replaced by a new bridge.

The bridge has a total length of 1,369 feet, connecting the townships of Ennismore on the south with Harvey on the north. The means of crossing at this point being formerly a scow ferry, and as the channel is much exposed to wind storms, was at times dangerous, and long delays in crossing occurred.

The new bridge is a floating structure 16 feet in width. Near the southerly end an opening 82 feet in length is provided for the purposes of navigation by a floating swinging portion, these waters being on the line of the Trent Canal. The total cost of the work was about $5,000.

Bridges, Jean Baptiste River, Temiskaming District.

There were two bridges constructed across this stream in the township of Evanturel, one 52 feet long, 18 feet high, 20 feet wide, supported on five bents and having five stringers; the other, 60 feet long, 14 feet wide, 20 feet high, supported on five bents and having four stringers. All the materials used in these structures were sound cedar.

Bridges, Wabis Creek, Temiskaming District.

The work attended to out of this appropriation covered the completion of two bridges across the stream, one on the line between lots 4 and 5 in the 5th concession, and the other on lot No. 11 in the same concession of the township of Kearns.

Another bridge was built on the town line between Dymond and Harley.

The bridges rest upon pile abutments, and are constructed on the Queen truss principle, the spans being 45 feet in length in the clear, and the width of the roadway 14 feet.

Rainy River Bridges.

Several bridges were re-built, including among others Wilson's Creek bridge on lot 20, which is 64 feet long, and 12 feet high. The timber for this was furnished by the municipality of Alberton, so that the cost to the Government is but $223.89. The Coulson bridge, costing some $400, is 176 feet long, with an average height of 16 feet. All materials were in this instance furnished by the municipality of Alberton, except planking. Another structure, known as McKelvy Creek bridge, on lot 7, was also constructed, and is 303 feet long, with an average height of 25 feet. The latter is a pile structure, costing about $4.60 per lineal foot.

Muskoka Lakes Works—Port Carling.

Early in the season the dredge and scows which had been wintered at Port Carling were taken to Gravenhurst and hauled out on the marine slip and thoroughly overhauled, caulked, and generally repaired. The machinery of the dredge was carefully gone over and put in good condition. It is, however, very old, and new and more modern machinery will be required at an early date.

To facilitate the dredging, a new scow was constructed of the following dimensions: 45 feet in length, 14 feet in width, and 4 feet 6 inches in depth. The sides are five inches in thickness, bottom planks 3 inchse, and deck is covered with two thicknesses of inch lumber. The hull was well caulked with oakum, and is perfectly watertight.

Dredging to improve the channel was done at several places in the river below Port Carling. A cut 260 feet in length, 50 feet in width at one end, running to a point at the other, was made immediately below the locks, the depth averaging seven feet. Two buoys were placed in position to indicate the channel.

Immediately below what is known as Vanderburg's Wharf, a cut 225 feet in length, 28 feet in width, at the upper end, running to a point at the lower end, was made, averaging 5 feet in depth. One buoy was placed in position.

At what is known as Robinson's Bend, 40 feet was taken off the point

At McCully's Narrows, a small shoal was removed from the centre of the river, about 500 cubic yards. One buoy was placed in position.

At the mouth of the river the width of the channel was increased by 25 feet for a length of 400 feet, to a depth of 7 feet. Two buoys were placed in position.

Several sunken logs and roots were removed at different points where they impeded navigation.

Materials for the construction of new piers above the locks, to give sufficient wharf accommodation, and to construct new lock gates, were delivered before the close of navigation, to enable the work to be done before the re-opening next spring.

Eagle Lake Dam.

This dam is situated on lot No. 3, in the 2nd concession, township of Anstruther, county of Peterboro'. The lake forms a valuable reservoir, which materially assists the lumbermen and in keeping up navigation and milling on Stony and Mud Lakes and on the Otonabee and Trent Rivers. This dam was first constructed by the lumbermen, but has been kept in repair for a number of years by the Department of Public Works.

A new dam 81 feet in length and 18 feet in height was constructed. The width at the bottom is 30 feet for a height of 6 feet, and 20 feet in width for the remaining 12 feet, the whole being compactly filled with stone. A slide 9 feet in width in the clear and 30 feet in length is provided. The flooring of the slide is hardwood, 6 inches in thickness. Hemlock timber was used in the structure, 10-inch x 12-inch, and fastened with $\frac{3}{4}$-inch square iron drift bolts, 22 inches in length. The face of the dam was gravelled for its entire length. A stop-log platform, 25 feet in length and 12 feet in width, is provided, also stop-logs, windlesses, chains, and all the appliances for the working of the dam were supplied.

The work was commenced about the 14th of March, and completed on the 19th of June. The timber was made by men employed by the Department.

Manitou Lake Dam.

This is one of the most important dams to the lumbermen of the Rainy River District. It is situated at the outlet of Manitou Lake, and holds the water back to Gold Rock at the head of the lake, a distance of 50 miles. It is very desirable that this dam should be maintained for navigation as well as for lumbering purposes. It has leaked badly ever since it was constructed, and has had to receive annual repairs. Extensive improvements were made during the present year that will do away with this annual expense.

The structure is 287 feet 8 inches in length. In the channel there are three piers, forming two stop-log openings. From the end piers to the shore on either side spile dams are built of round timber. The northerly end is 133 feet in length, and the southerly 96 feet 8 inches in length.

Improvements were made for the purpose of strengthening and supporting the structure as follows:

The three centre piers were raised two feet in hight, with 10-inch x 12-inch timbers fastened with $\frac{3}{4}$-inch square iron drift bolts, and the pier compactly filled with stone. Eight new stop-log posts and new stop-logs were provided. A stop-log platform was constructed, 52 feet in length, and 12 feet in width, also four new windlasses with frames, chains, and ratchet wheels for working the stop-logs. The slide and sluice openings were floored with pine, fastened with $\frac{3}{4}$-inch square iron drift bolts 14 inches in length. The sides of the slides were built of 10-inch x 12-inch for 3 feet in height.

Two guide booms were constructed above the dam on either side of the river. 2 feet in width, of 10-inch x 12-inch timber, and fastened with $\frac{7}{8}$-inch round iron screw bolts, 28 inches in length, 40 in number; dovetailed pieces of 3-inch plank were let in for additional strength. The booms are fixed to shore piers provided for the purpose, 6 feet square and 5 feet 6 inches in height, with $\frac{7}{8}$-inch chain, and continue to the centre piers in the channel at an angle. The northerly boom is 146 feet in length, and the southerly one 96 feet 6 inches. They answer the two-fold purpose of preventing logs and floodwood from going over the spile portion of the dam, and of enabling persons working the stop-logs to get to the platform for that purpose.

Two piers of 10-inch x 10-inch timber, 20 feet in length, 10 feet in width, and 10 feet in height, compactly filled with stone, the top covered with planking 6 inches in thickness, were constructed at the back of the spile portions of the dam to support them. The dam was gravelled for its entire length, and is reported to be in good condition.

Work was commenced on the 10th day of March and completed on the 14th day of May.

MAINTENANCE, LOCKS, DAMS AND SWING BRIDGES, ETC.

The improvements and repairs which have been attended to out of this appropriation during the present year are as follows:

Goulais Bridge.

Repairs to the lower chord of the northerly span of this bridge were made by inserting a splice of new timber, strengthened with iron plates ½-inch x 12-inch x 6 feet on each side of the chord. This was rendered necessary by the chord having broken, owing to the decay of the timber. The splice is stiff and strong as the other parts of the chord.

Bridge at Verner.

Repairs were made in the month of June to this bridge. One of the bents was undermined, and several piles were badly decayed. These defects were made good, a new floor stringer provided and the hand railing repaired.

Smoky Falls Bridge.

A pier 11 feet wide, 14 feet long, and about 22 feet in depth, compactly filled with stone was placed below one of the piers of this bridge to strengthen it, so as to withstand the strong currents of the spring freshets.

Young's Point Lock.

The timbers of the upper lock gates were so badly decayed it was found absolutely necessary to replace them by new ones. Work was commenced about the 1st of February, and continued until the 17th of April, when the new gates were completed and placed in position ready for the opening of navigation. The gates are constructed " white oak timber; the old iron-work was again used upon the new gates.

A new cap for the gallows frame of the swing bridge was supplied, also two new circle pieces at the heel of the bridge. Slight repairs were made to the planking of wharf below the lock.

Mary's and Fairy Lakes Lock.

Repairs were made to the lock gates by bolting on pieces of oak timber, which afforded sufficient strength to the gates for the present year. New gates will be required before the opening of navigation in the coming year. One of the valves of the lower gate was repaired, the diving apparatus being used for that purpose.

The pivot pier of the swing bridge over the canal was taken down for four feet and rebuilt with 10-inch x 12-inch hemlock timbers, fastened with ¾-inch square iron drift bolts. The circle timbers of the approaches at both ends were renewed, and some repairs made to the chords and gallows posts. The repairs to this bridge are only of a temporary character, as a new bridge will be required at an early date.

The bridge across the Muskoka River, a short distance above the locks, was repaired, and the floor covered for a width of 8 feet and length of 110 feet with 2-inch planks.

During extreme high water 240 feet in length of the breakwater below the lock was carried away. In order to prevent the gravel being washed

into the channel, it was necessary to reconstruct the work, which was done as soon as timber could be obtained. The cribbing was rebuilt for a length of 240 feet, 7 feet wide at the base, 6 feet at the top, and 4 feet in height, and was compactly filled with stone.

Port Carling Lock, etc.

One of the upper lock gates was taken out, and the heel post, which was in bad condition, was repaired. Both upper and lower gates and balance beams were painted two coats with white lead. Materials were purchased for the repair of the lock walls during the close of navigation.

Bala Dam.

Four new stop-logs were provided for the northerly dam at Bala.

Lindsay Lock, etc.

Lindsay lock received some minor repairs to the upper mitre sill foundation. The lock chamber was thoroughly cleaned out, the diving apparatus being used in carrying out this work.

Several sunken logs and roots were removed from the channel between Lindsay and Scugog Lake.

The Wellington street swing bridge was planked for the entire length with 2-inch hemlock planks, 8 feet in width. The turntable received some repairs.

The swing bridge south of Lindsay was supplied with four new wheels for the turntable, the swinging gear was generally overhauled, and the approaches at both ends were repaired.

Balsam River Lock, Dam and Piers.

The following repairs were made at these works: Above the locks, two piers that support the booms were taken down for four feet from the top and rebuilt with 10-inch - 12-inch hemlock timber, and compactly filled with stone. At the northerly end of the dam a pier which forms a continuation of the returning wall above the lock 39 feet in length and 15 feet in width was taken down for five feet from the top, rebuilt with 10-inch x 12-inch hemlock timber, and compactly filled with stone. Below the lock, a pier 12 feet square, which supports the guide boom, was taken down three feet from the top, and rebuilt with hemlock timber and compactly filled with stone.

The dam, which is 221 feet in length, and was constructed in the year 1871, is very much decayed. During the high water of last spring about 68 feet in length at the northerly end was torn off. A temporary coffer dam was put in. It will be necessary to make provision for strengthening this dam before the spring freshet.

Magnetawan Lock, etc.

Temporary repairs were made to the wharf above the lock, to make it safe for the present year, the materials from the old swing bridge being used for that purpose. Four new stop-logs were supplied for the northerly dam.

The dam at the outlet of Ah-Mic Lake was gravelled to prevent leakage.

The following are the Lockmaster's returns of lockages made during the present year:

Port Carling Lock—3,488 steamers, 572 small boats, 471 scows and 166 rafts or cribs of timber.

Mary's and Fairy Lakes Lock—760 steamers, 73 small boats, 169 scows, and 43 rafts or cribs of timber.

Magnetawan Lock—796 steamers, 35 small boats, 215 scows, and 13 rafts or cribs of timber.

Lindsay Lock—203 steamers, 165 small boats, 148 scows, and 72 rafts or cribs of timber.

Young's Point Lock—1,491 steamers, 98 small boats, 178 scows, and 228 rafts or cribs of timber.

Balsam River Lock—688 steamers, 128 small boats, 502 scows, and 113 rafts or cribs of timber.

Reserve Dams on Gull and Burnt Rivers.

Repairs were made to the reserve dams on the Gull and Burnt Rivers as follows:

Hawk Lake Dam—A piece of hardwood timber 4-inch x 10-inch, 15 feet in length, was fixed to protect the stop-log posts. Three stop-logs were counter-hewn and fitted in stop-log checks.

Kennesse Lake Dam—Two new windlasses and two stop-logs were provided, and the dam was gravelled for the entire length.

Eagle Lake Dam, Township of Guilford Two new windlasses were provided.

Oblong Lake Dam—Two new windlasses were provided.

Hall's Lake Dam—One new stop-log provided.

Paint and Crab Lake Dams—One new stop-log provided to each dam.

Big Bob Lake Dam—One stop-log chain was provided and the dam gravelled.

Horse Shoe Dam—Six new windlasses and two frames provided. Stone and gravel were filled at the northerly end to prevent leakage.

Workman's Dam—Four new windlasses were provided. Two pieces of timber 10 inches - 12 inches were fixed to protect the corner of pier at the entrance to the slide.

Cooklong Lake Dam -This dam is situated on Lot No. 9, Con. 15, Township of Glamorgan. In the month of May last, the westerly end of this dam was partially destroyed by fire, and but for the exertions of the men in the employment of the Lachlan Lumber Co., the whole structure would have been destroyed. The burnt portion of the dam was re-constructed with hemlock timbers 10 inches x 12 inches as follows: The face of the dam 59 feet in length and 3 feet in height; the back for 18 feet in length and 3 feet in height; the superstructure of the back 69 feet in length and 3 feet in height. The face of the dam was sheeted with two thicknesses of inch lumber, and gravelled the entire lenght. The stop-log posts were repaired and tapering pieces of hardwood fixed for their protection. Two new windlasses and three new stop-logs were provided.

Otter Creek Dam—This dam at the foot of Anderson's marsh was provided with two new windlasses and two stop-logs, and the face of the dam was gravelled.

Grace Lake Dam—The slide in this dam, which is 20 feet in length, has been changed from a square section to a trough with splayed side, for the purpose of facilitating the driving of logs and saving water. The bottom of the slide is 5 feet in width, planked with birch 4 feet in thickness. The sides are 6 feet in height and have a splay of eight inches to a foot, are sheeted with 6-inch x 12-inch hemlock. The posts and braces are 6 inches

x 8 inches. Four new windlasses and frames and two new stop-logs were supplied.

Farco Lake Dam—One new stop-log was provided.

Otter Lake Dam Two new stop-logs were provided and main and side dams gravelled.

Big Bear Lake Dam—The slide has been repaired, with a new floor of 7 feet in width of 10-inch x 12-inch timber, and two new floor sills 10 inches x 12 inches. Three pieces of 10-inch x 12-inch timber were placed in the cribbing. One new stop-log was provided, and the dam was gravelled. The timber was made by men employed by the Department.

Little Bear Lake Dam This dam was thoroughly gravelled and made staunch.

Stormy and Conton's Lake Dam This dam was also gravelled.

Mississicua and Bottel Lake Dams.

The following repairs were made to the Mississicua or Gull Lake dam in the Township of Harvey. Six new stop-log posts were fixed at the slide opening protected by wedge-shaped pieces of hardwood, to prevent them from wearing during the running of logs and timber through the slide. Six new stop-logs and four new windlasses were provided. Three stop-logs, which were worn by logs passing over them, were re-hewn and placed back into their former position in Bottle Lake Dam.

Keewatin Dam.

The work at Keewatin dam consists in labor of raising and lowering the stop-logs to regulate the level of the Lake of the Woods for the purposes of navigation, and to suit the requirements of the industries using the water power at the outlets of the Lake of the Woods. The logs are large, and, owing to the great pressure behind them, it requires at least four men, even with the powerful appliances available, to raise them.

Deepening Indian River.

An appropriation of $1,889.00 was made for this work, which is in the Townships of Keppel and Sarawak. It is designed to reclaim a large tract of land in these townships which are drained by the Indian River. The work when completed will extend a distance of about three miles. Work was commenced on the lower end and completed for a distance of 2,000 feet, when the water rose so high it was not economical to continue the work. A re-vote of the unexpended balance will be required to resume the work in the coming year.

Black River Dredging.

This appropriation was provided to complete the work of dredging through a shoal which had formed at the mouth of the river in Lake Simcoe. A channel 1,060 feet in length, with a bottom width of 50 feet, and a depth of about 7 feet is provided.

Muskrat River.

The work attended to out of this appropriation consisted in the removal of clay, gravel, and boulders, and the blasting and removal of solid rock obstructions from the channel. The carrying out of this work will shorten the time required for the water of freshets to pass, and the ordinary summer level of Muskrat Lake and River will also be lowered.

The work was commenced in July, but, owing to the heavy rains which fell during that month, the water raised too high to carry out the work economically. It was postponed until the month of September, and completed about the middle of the month of November.

White Fish River.

The work consisted of removing obstructions to navigation in the White Fish River from Beverley Lake to Morton, a distance of about three miles. The obstructions were principally old logs, slabs and other debris which made navigation almost impossible. An abandoned highway bridge also interfered with navigation. This was removed, and from the timbers a landing dock was erected at Morton, with a frontage on the river of 16 feet, extending back 22 feet.

The removal of these obstructions has provided first-class navigation for a distance of seven miles, from Morton to Delta, a station on the Brockville and Westport Railway. The depth of water provided is a little over four feet.

Southampton Dock.

This work consists of rebuilding and raising the old dock for a length of 240 feet, the greater part being 4 feet 4 inches in height. It was built upon old cribwork, which was higher at the outer end about 80 feet, being only 2 feet 6 inches in height. The width is 14 feet. The timber used was tamarac, and hemlock. The whole was filled with stone to within a foot of the top and was finished with gravel. A large quantity of gravel and sand was filled at the back of the dock to strengthen it, as the ice frequently forms a jam at this point during the spring freshets. The work was done by men under the direction of a competent foreman.

EXTENSIONS OF RAILWAYS.

The extension of the Temiskaming and Northern Ontario Railway has been pushed on vigorously during the present year. A special report has been presented to the House giving full details of this railway.

As far as could be ascertained, the following are the new lines constructed during the year:

Bay of Quinte Railway.

Nine miles of new main line were constructed from Deseronto on the Bay of Quinte to Napanee, at which point connection was made with the other portion of their line. The main line of the Grand Trunk Railway is crossed at this point. Until the construction of this new line the Bay of Quinte Railway used a part of the Grand Trunk tracks for a few miles westward from Napanee, where they have a junction and an old line to Deseronto. The work on this section was fully completed and opened for traffic in the month of August.

Another extension of 19.45 miles was constructed from the Town of Tweed, where the line crosses the Canadian Pacific Railway, northerly to the village of Bannockburn on the Central Ontario Railway.

Station buildings are constructed at the following points: Bridgewater, 5½ miles northerly from Tweed; Queensborough, 11 miles from Tweed; Allan's Station, 15 miles from Tweed.

The work on these extensions is first-class in every respect. The rails are 70 lbs. to the lineal yard; the bridges now under construction are of steel, and substructures of concrete.

The Bay of Quinte Railway and Navigation Company was by Dominion Act of 1896 amalgamated with the Kingston, Napanee and Western Railway, under the name of the Bay of Quinte Railway. The main line is now a continuous one from Deseronto on the Bay of Quinte to Bannockburn, a distance of 78½ miles.

Grand Trunk Railway, Lynden to Brantford.

The only piece of new mileage constructed by the Grand Trunk Railway during the year 1903 was that between Lynden and Brantford, a distance of 4.12 miles. The construction of this line has proven of great advantage to the City of Brantford, which is now practically on the main line, and has a much improved railway service.

Bruce Mines and Algoma Railway.

The construction of this line from a point a few hundred feet westerly of the Bruce Mines Station building on the C.P.R. northward to Rock Lake, in the Township of Aberdeen, a distance of 14.81 miles, was completed at the close of the year 1902.

The construction of the portion southward from the C.P.R. to the Village of Bruce Mines and the waters of Lake Huron has been completed, and opened for traffic during the present year.

The total length of the line from Bruce Mines on the waters of Lake Huron to Rock Lake is 16.36 miles.

Lindsay, Bobcaygeon & Pontypool Railway.

The Lindsay, Bobcaygeon and Pontypool Railway commences at Burketon Station on the Ontario and Quebec division of the Canadian Pacific Railway, in the Township of Darlington, and runs in a northerly direction through the Townships of Darlington, Cartwright, Manvers, Opps, Fenelon, and Verulam to the Village of Bobcaygeon.

In the Township of Cartwright the line passes two miles to the east of the Village of Blackstock, within a few hundred feet of the Village of Nestleton, and within two and a half miles of the Village of Janetville in the Township of Manvers. From the tenth mile the line skirts the shore of Lake Scugog and Scugog River to the mouth of East Creek, which it crosses on a pile trestle 200 feet in length, thence to the Town of Lindsay, passing under the Grand Trunk Railway bridge, where it crosses the Scugog River. The line continues northerly through the Village of Dumford in the Township of Verulam to the shore of Sturgeon Lake, at the mouth of Emily Creek, which it crosses on a pile trestle 200 feet in length. It then follows the shore of the lake for a distance of five miles to the Little Bob River, crossing it on a trestle, and steel swing bridge of two 35 feet clear spans, to the island on which the greater part of Bobcaygeon is built.

The total mileage of the main line from Burketon to Bobcaygeon is about 40 miles. The grading is practically completed, with the exception of about three-quarters of a mile in the Town of Lindsay; the fencing is completed, with the exception of about three miles. The station building at the Town of Lindsay is under construction. It is located between Lindsay and Caroline streets.

The following revised statement to the close of 1903 gives in detail the mileage of each railway in Ontario, distinguishing between those constructed prior to and since Confederation:

REVISED STATEMENT.

No.	Name of Railway.	Terminal points. From.	Terminal points. To.	Completed prior to Confederation. Length in miles.	Completed since Confederation. Length in miles.	t present under construction. Length in miles.	Total length in operation of each railway or system of railways in miles.
1	Grand Trunk Railway, Main Line	East. Prov. Bound	Point Edward	457			
2	" Buffalo and Lake Huron Branch	Fort Erie	Goderich	158			
3	" London Branch	St. Mary's	London	23			
4	" Galt and Doon Branch	Galt	Berlin	7	4.5		
5	" Waterloo Junction Railway	Waterloo	Elmira		10.25		
6	" Toronto & Nipissing Branch	Toronto	Coboconk		88		
7	" Midland Ry., Main Line	Port Hope	Midland City	65	54.53		
8	" Midland Ry., Peterboro' Branch	Millbrook	Lakefield	13	9		
9	" Lake Simcoe Junction	Stouffville	Jackson's Point		26.5		
10	" Whitby, Port Perry & Lindsay	Whitby	Lindsay		46		
11	" Victoria Railway	Lindsay	Haliburton		55.81		
12	" Grand Junction Railway	Belleville	Peterborough		64.65		
13	" Belleville & North Hastings	Grand Junction Ry	Madoc		22		
14	" Toronto & Ottawa	Madoc	Bridgewater		9		
15	" Toronto & Ottawa, Manilla Link	Wick	Manilla		6.5		
16	" Toronto & Ottawa, Omemee Link	Omemee	Peterborough		14		
17	" Port Dover & Lake Huron	Port Dover	Stratford		63		
18	" South Norfolk Railway	Simcoe	Port Rowan		17		
19	" Chemong Branch	Peterborough	Chemong Lake		9		
20	" Stratford & Huron	Stratford	Wiarton		106.27		
21	" Owen Sound Extension	Parkhead	Owen Sound		12.40		
22	" Georgian Bay & Wellington	Palmerston	Durham		26		
23	Grand Trunk Railway Great Western Div. / Main Line	Suspension Bridge	Windsor	229			
24	" Toronto & Hamilton Branch	Toronto	Hamilton	39.5			
25	" Loop Line Division	Glencoe	Fort Erie		145		
26	" Kingscourt & Glencoe Link	Kingscourt	Glencoe		20.60		
27	" Sarnia Branch	Komoka	Sarnia	51			
28	" Petrolea Branch	Wyoming	Petrolea	7			
29	" Brantford Branch	Harrisburg	Brantford	8			
30	" Brantford & Norfolk	Brantford	Tilsonburg		35 88		
31	" Lynden to Brantford	Lynden	Brantford		4.12		
32	G.T.R. Western Div.—Wellington, Grey & Bruce	Harrisburgh	Southampton	27	102		
33	" " S. Extension	Palmerston	Kincardine		66		
34	" London, Huron & Bruce	Clyde Park June	Wingham		69.75		
35	" London & Port Stanley	London	Port Stanley	25			
36	" Welland Railway	Port Colborne	Port Dalhousie	25			

REVISED STATEMENT.—*Continued.*

No	Name of Railway.	Terminal points. From.	Terminal points. To.	Completed since Confederation. Length in miles.	Completed since Confederation. Length in miles.	At present under construction. Length in miles.	Total length in operation of each railway or system of railways in miles.
37	Northern Railway, Collingwood Line	Toronto	Meaford	94	21		
38	" Muskoka Branch	Barrie	Gravenhurst		53		
39	" Hamilton & Northern, Main Line	Port Dover	Allandale		163.3		
40	" Hamilton & Northern, Collingwood Br.	Clarksville	Collingwood		40		
41	" North Simcoe Junction	Colwell	Penetanguishene		33.34		
42	Northern & Pacific Junction Railway	Gravenhurst	La Vause		111.5		
43	Magnetawan River Railway	Burk's Falls Station, G. T. R.	Burk's Falls Vill		1.01		
44	Toronto Belt Line Railway, Eastern Section	Don Sta., G.T.R.	Junc. Northern Ry		8.50		
45	Toronto Belt Line Railway, Western Section	Carleton, on G.T.R.	Swansea		4.33		2724.24
46	Canadian Pacific Railway, Main Line	Ottawa	West. Prov. Bound	57	1144		
47	Canadian Pacific Railway, Main Line	Ottawa	East. Prov. Bound		66.40		
48	" Algoma Branch	Sudbury Junction	Sault Ste. Marie		180.25		
49	" Brockville & Ottawa Railway	Brockville	Carleton Place	46			
50	" St. Lawrence & Ottawa Railway and Chaudiere Branch	Prescott	Ottawa	59.5			
51	" Ontario and Quebec Railway	Toronto Junction	East. Prov. Bound	12	281.25		
52	" " Don Branch	Main Line	Toronto		5		
53	" " Detroit Extension	London	Windsor		112.50		
54	" Credit Valley Ry., Main Line	Toronto	St. Thomas		119.13		
55	" " Orangeville Branch	Streetsville	Elora & Orangeville		62.83		
56	" " Guelph Branch	Campbellville	Guelph		15		
57	" Toronto, Grey & Bruce, Main Line	Toronto	Owen Sound		122		
58	" " Teeswater Branch	Orangeville	Teeswater		73		
59	" " Wingham Branch	Glenannan	Wingham		4.75		
60	" West Ontario Pacific Railway	Woodstock	London		27		
61	" Atlantic & North-West Railway	Renfrew	Eganville		19.25		2406.86
62	Michigan Central Ry., formerly Canada Southern Main Line	Windsor	Suspension Bridge		226.80		
63	" St. Clair Branch	St. Clair Junction	Courtright		62.2		
64	" Amherstburgh Branch	Amherstburg	Essex Centre		15.7		
65	" Oil Springs Branch	Oil City Junction	Eddy's		5 2		
66	" Petrolea Branch	Petrolea Junction	Petrolea		4.9		
67	" Leamington & St. Clair Branch	Comber	Leamington		15.9		
68	" Fort Erie Branch	Welland Junction	Fort Erie		17.4		
69	" Niagara Branch	Fort Erie	Niagara	30			378.10
70	Parry Sound Colonization Railway	Scotia	Depot Harbour		51.20		

71	Ottawa, Arnprior & Parry Sound Railway	Ottawa	Scotia		212.60			263.80
72	Canada Atlantic Railway	Ottawa	East. Prov. Bound		68.08			
73	Central Counties Railway	Glen Robertson	Hawkesbury		21			
74	Central Counties Railway	South Indian	Rockland		17			106.08
75	Cobourg, Peterboro' & Marmora Ry., Mar. Line	Cobourg	Harwood	14.5				14.50
76	Kingston and Pembroke Railway	Kingston	Renfrew		103			103
77	Prince Edward County Railroad	Picton	Trenton & G.T.R.		32.44			32.44
78	Central Ontario Railway	Trenton at G.T.R.	Bancroft		95			95
79	Ontario and Belmont & Northern Railway	Central Ont. Ry	Belmont Mine		9.57			9.57
80	Erie and Huron Railway	Rondeau	Sarnia		70.47			70.47
81	Bay of Quinte Ry, formerly Napanee, Tamworth and Quebec	Deseronto	Bannockburn		78.45			
82	" Harrowsmith Branch	Yarker	Harrowsmith		7			
83	" Old Line	Deseronto	Grand Trunk Ry		3.5			88.95
84	Nosbonsing & Nipissing Railway	Lake Nipissing (S. E. Bay	Lake Nosbonsing		5			5.00
85	Irondale, Bancroft & Ottawa Railway	Kinmount	Bancroft		45			45 00
86	Brockville, Westport & Sault Ste. Marie	Brockville	Westport		45			45.00
87	St. Catharines & Niagara Central Railway	Niagara Falls	St. Catharines		12.50			12.50
88	Lake Erie & Detroit River Railway	Walkerville	St. Thomas		126.85			126.85
89	Port Arthur, Duluth & Western Railway	Port Arthur	Gun Flint Lake		85.54			85.54
90	Toronto, Hamilton & Buffalo Railway	Waterford	Brantford		18			
91	Toronto, Hamilton & Buffalo Railway	Brantford	Welland		62.5			80.50
92	Tilsonburg, Lake Erie & Pacific Railway	Tillsonburg	Port Burwell		18.58			18.58
93	Ottawa & New York Railway	Ottawa	Cornwall		55 00			55.00
94	Pembroke Southern Railway	Pembroke	Golden Lake		21.50			21.50
95	Ontario & Rainy River Railway	Stanley on P.A.D. & W. Ry	West. Pro. Bound		268.00			268.00
96	Algoma Central Railway	Sault Ste. Marie	Michipicoten June		64.50	106		
97	Algoma Central Railway, Michipicoten Branch	Michipicoten Harb	Main Line		22 10			86.60
98	Manitoulin & North Shore Railway	Sudbury	Gertrude Mine		13.50	5		13.50
99	Bruce Mines & Algoma Railway	Bruce Mines	Rock Lake		16.36			16.36
100	James Bay Railway	Can. Atlantic Ry	Parry Harbour		3.70			3.70
				1,447 50	5,729.14	119 0		7,176.64

As will be seen from the foregoing statement, there have not been many miles of new railways finished and opened for traffic during the year 1903, only 34.65 miles being reported. There has been added to the mileage of the Detroit and Lake Erie Railway 42.85 miles, the distance from Ridgetown to the junction with the London and Port Stanley Railway in the City of St. Thomas, which was completed and opened for traffic on July 1st, 1901, but was not included in the report for that year. There has been a vast amount of work done and large sums have been expended by the railway corporations in improving their main lines throughout the Province. Special attention has been given to reducing the gradients, replacing structures with permanent fills of earth or rock, and in strengthening the bridges. Many miles of double tracks and new sidings of increased length have been laid in all parts of the Province.

DRAINAGE WORKS.

The following municipalities have received aid in the construction of drainage works under the provisions of the Provincial Drainage Aid Act, 63 Vic., chap. 8.

Moose Creek Drain, Townships of Roxborough and Cambridge.

The outlet of this drain is a ravine in the Township of Plantagenet, the waters entering the Nation River a short distance from the outlet. The lower end of the drain for a distance of about $4\frac{3}{4}$ miles was made by a dredging machine, thus giving a large and efficient outlet. The total length of the drain is $12\frac{3}{4}$ miles, the upper end being on lot No. 34, Cons. 4 and 5, in the Township of Roxborough.

The total cost of the work was, including printing, publishing and other expenses, $12,566.20. The number of acres benefited by the execution of the works is 14,400. The amount of aid granted was $1,000.00. An inspection was made in October, 1901, and the drain, having been reported as completed satisfactorily, the amount of the grant was paid to the Treasurer of Roxborough.

Pelee Island.

Pelee Island, situated in Lake Erie, about 16 miles from Point Pelee, was at one time a useless swamp, the surface in many places being little, if any, above the lake level. By the excavation of a series of canals, the formation of embankments and the utilizing of pumping machinery, an area of about one-half the island, or 5,000 acres has been reclaimed, and is now one of the most fertile portions of the Province.

The total cost of these improvements has been about $56,500.00, or at the rate of $10.30 per acre. The providing of pumping machinery may be considered as an expenditure on outlet.

An examination was made in October, 1902, and the works, having been reported as completed satisfactorily, the sum of $1,500.00 was paid to the Treasurer of the municipality.

Maitland River and Boyle Drain, Townships of Elma and Grey.

The south branch of the Maitland River was straightened in many places, thoroughly cleaned out and improved from lot No. 20, in the 14th

concession, of the Township of Elma to lot No. 31 in the 8th concession of the Township of Grey, providing an efficient outlet for all the lands in the watershed of the stream. Extensive systems of drains have been constructed in its watershed area during the last few years.

The cost of the works amounted to about $16,206.32. The sum included a small part only of the tributary drains. The area draining into the works is 53,000 acres. The amount of aid granted was $4,000.00. An inspection was made in November, 1901, and the works, having been reported as completed in a satisfactory manner, the amount of the grant was paid to the Treasurer of the Township of Elma, the initiating municipality. The other municipalities assessed for the works are Townships of Grey, Logan, Ellice, and Mornington, and the Village of Milverton.

Big Creek, West and North Tilbury.

The Townships of East and North Tilbury, owing to the low and flat surface of its lands, have been obliged to expend very large sums in the construction of main drains.

Big Creek, including East and West branches and a tributary Tremblay Creek, have their outlet in the River Thames, near its mouth at Lake St. Clair. At the outlet the work consists of dyking to prevent the waters from the higher lands overflowing the lower. The material for the dykes was obtained by dredging a channel to the depth of 5 feet below the level of the plains. The dredging and dyking extended along Big Creek to the Canada Southern Railway on lot No. 16, Con. 5, a distance of 35,800 feet, also along Tremblay Creek to the Canadian Pacific Railway on lot No. 21, Con. 2, a distance of 8,000 feet. The drain proper commenced on concession No. 3, where an enlarged channel, as well as dykes, was required. The drain was given a width of 60 feet, and a depth of 6 feet, at this point. The drain and branches extend throughout the full length of the township. The cost of the works was $45,673.00. The area drained was 55,500 acres.

A grant of $4,567.30 was made by the Legislature in the year 1901, and the work having been examined and found satisfactorily completed this sum was paid to the Treasurer of the Township of Tilbury West in December of that year.

A further grant of $3,800.00 was made by the Legislature at the last Session, 1903, in consideration of the very heavy character of the work and the very heavy legal and other expenses incurred in connection with these works. A special act of the Legislature to make valid the by-laws under which the work was carried out was rendered necessary, owing to a decision in a suit arising out of the execution of these works. (See I Edward VII, Chap. 72.)

The drain was again inspected and found to be in good condition, and giving satisfaction to the parties interested, and the amount of the further grant of $3,800.00 was paid to the Treasurer of the Township of Tilbury West, the initiating municipality. The other municipalities interested were the Townships of Tilbury North, Tilbury East, Romney, and Mersea.

Outlet Drains, Tilbury East.

The main outlet to drain known as Government drain No. 3, discharges into the River Thames and has a width of 60 feet at the lower end, this width extending to the Canadian Pacific Railway; from thence to the Canada Southern Railway, the width is 35 feet; at the upper end, a distance of about 11 miles, the width is 10 feet.

The area drained by the works is 13,381 acres, and the amount expended $31,690.00.

An examination of the drain was made in the month of May, 1902, and the work having been reported as well advanced towards completion, the amount of the grant, $3,020.00, was made to the Treasurer of the Township of Tilbury East.

Beaver Creek, Township of Cornwall.

This drain forms an outlet for three creeks, two of them entering it in the 7th and one in the 6th concession of the Township of Cornwall, County of Stormont. The drain commences at the line between lots No. 26 and 27, in the 8th concession, and continues easterly and southerly to a point on lot No. 6, in the 6th concession, following as closely as practicable the course of the creek. The total length of the drain is 7½ miles.

The drainage basin is estimated at about 5,280 acres.

The cost of the work was about $7,500.00. The excavation included the removal of considerable solid rock and boulders. An inspection was made in May, 1902, and the work having been reported as satisfactorily completed, the amount of the grant, $750.00, was paid to the Treasurer of the Township of Cornwall.

Petite Castor and Annable Creek, Townships of Winchester and Russell.

The estimated cost of the works on the Petite Castor and Annable Creek, as set forth in the Engineer's report, is $77,176.31. This large expenditure is required to provide an efficient outlet to the main and branch drains in the Townships of Winchester and Mountain. The work is particularly expensive at the lower end of the works in the Township of Russell, where very heavy rock cutting occurs.

Work on this drainage scheme is in progress. Some sections on the upper end of the main drain are completed, also on the Annable Creek section, but the greater part of the work has been done on the outlet in the Petite Castor River in the very heavy rock cuttings, which are almost completed. $23,000,000 had been expended on the work at the date of the inspection, November 24th, 1903. A payment of $5,000.00 was made to the Treasurer of the Township of Winchester, the total grant voted in 1903 being $7,700.00. A re-vote of the balance will be required for the coming year.

The area draining into this outlet is estimated at 46,000 acres of which 5,500 are so wet as to be practically valueless. The total length of the drains now under constructiton is about 19¾ miles.

Becquith Creek, Townships of Cumberland and Clarence.

This work consisted of the improvement of Becquith Creek for a distance of four and one-fifth miles. The upper end of the drain was given a bottom width of 6 feet, which gradually increased to a width of 20 feet at the lower end. There are three rock outings near the lower end of the drain, of the following dimensions: 250 feet long, 15 feet wide, and 3 feet 6 inches deep, 400 feet long, 18 feet wide, and 4 feet deep; 330 feet long, 20 feet wide, and 1 foot 6 inches deep.

The cost of the work was $5,427.00. The area assessed for the improvement was 11,125 acres in the Township of Cumberland, and 2,400 in the

Township of Clarence. The construction of this drain has benefited a large area of land, a considerable percentage of which was formerly practically valueless.

An inspection of the works was made in the month of November, 1903, and having been found satisfactorily completed, the amount of the grant, $1,000.00, was paid to the Treasurer of the Township of Cumberland, the initiating municipality.

Thompson and Ferguson Drain, in the Townships of Roxborough, Kenyon, Charlottenburg and Cornwall.

The outlet of this drain is in the north branch of the River Aux Raisin, on lot No. 2, in the 8th concession of the Township of Cornwall. The width at the outlet is 18 feet, and considerable rock excavation was made near the lower end. The length of the drain is about four miles. The area of lands draining into the works is estimated at 5,222 acres.

The cost of the work was about $6,912.38. The work having been examined, and reported as completed in a satisfactory manner, the amount of the grant, $700, was paid to the Treasurer of the Township of Roxborough, the initiating municipality, in the month of December, 1903.

Monklands Drain, Township of Roxborough.

This drain finds an outlet into the north branch drain on lot No. 14, in the 1st concession of Roxborough. The width at the outlet is 25 feet. The length of the drain is about 5 miles. Four short branch drains enter the main drain in the Village of Monklands.

The area of lands draining into the works is estimated at 7,800 acres. The Village of Monklands is also greatly benefited by this drain. The cost of the work is about $11,600.00.

The work having been examined and reported as completed in a satisfactory manner, the amount of the grant, $1,200.00, was paid to the Treasurer of the Township of Roxborough in the month of December, 1903.

Lalonde Drain, Townships of Roxborough and Cambridge.

The outlet of this drain is into Butternut Creek, a tributary to La Petite Nation River, on lot No. 9, in the 10th concession of the Township of Cambridge. The width at the outlet is 20 feet. The length of the drain is about 4¾ miles. The width at the upper end is 10 feet.

The area of lands draining into the works is estimated at 3,534 acres. The cost of the work was about $8 850.00. The completion of this work has made it possible to construct a good roadway along the boundary line between the Townships of Finch and Roxborough.

The work having been examined and reported as satisfactorily completed, the amount of the grant, $900.00, was paid to the Treasurer of the municipality of Roxborough in the month of December, 1903.

Eastnor Township.

By the removal of a dam at the outlet of Judge's Creek, and the widening and deepening of the creek from its outlet to its source, an efficient outlet was obtained to reclaim about 10,000 acres of swamp land in the Township of Eastnor.

The total cost of the work, including engineering, legal, and other expenses, was about $13,000.00. The deepening of the immediate outlet was expensive, involving the removal of about 2,623 cubic yards of rock.

An examination was made in November, 1903, and the work having been reported as satisfactorily completed, the amount of the grant, $2,428.00, was paid to the Treasurer of the Township of Eastnor.

I have the honor to be, Sir,

Your obedient servant,

R. P. FAIRBAIRN,
Engineer Public Works.

REPORT OF THE SUPERINTENDENT OF COLONIZATION ROADS.

To the Honorable F. R. LATCHFORD, *Commissioner of Public Works, Ontario:*

SIR, I have the honor to report upon the work done by your Department, under the Colonization Roads Branch, in 1903.

A large number of roads have been opened and improved, and many bridges constructed and repaired, representing as to new roads opened about one hundred and eighty miles, and of improvements made on existing roads, some five hundred miles, with something like a mile of bridging.

The chief operations were in Temiskaming, Thunder Bay and Rainy River Districts, where settlers are increasing in large numbers, and, with aid in roads and bridges continued, the districts mentioned will, without doubt, be settled as fully as the acreage of arable land will afford accommodation.

The works are the following:—

NORTH DIVISION.

Atwood and Curran Road. Road opened from between sections 2 and 3, north, a mile and a quarter.

Bruce Mines and Desert Lake Road.—This work is from lots 10 and 11, concession 3, Plummer, south, and repairing one mile, and done largely with a grading machine. One mile of grading was also done south of concession 2, and chiefly with a like machine.

Blind River Bridge. The renewal of the bridge, 376 feet long for $853.35. Twenty-eight piles, 30 to 35 feet long, were driven 18 to 20 feet into solid ground, and the whole structure now in excellent condition.

Bridge Concessions 1 and 2, Wainwright.—The bridge is 107 feet long, and width 14 feet, with a main span of 54 feet, and built over a stream between concessions 2 and 3, Wainwright; with 104 cubic yards of rock filling at ends of structure, 40 rods of which was blasting, making the structure very complete.

Bridge, Whitefish River. A 40-foot span bridge, built over Whitefish River, at 3-mile post of railway in Lybster Township, and erected at a comparatively cheap cost.

Cutler and Spanish Station Road. — A work from Cutler Station, on "Indian Reserve," east of line between sections 33 and 34 (north side), Sheddon Township, making altogether four miles of general repairs done with a grading machine, and forming an excellent road.

Chapleau Road. This is a road leading from Chapleau southeastward as a main highway into the village, representing about half a mile of crosswaying and ditching.

Conmee Township Road. Two miles of portions of previous roads opened were repaired and graded and the main line grubbed to concession 4. Along the second concession three miles were chopped out thirty feet wide to the west boundary of the township. A trail was also cut north from the main line and a 30-foot bridge built over Cedar Creek.

Carpenter and Dobie Town Line Road. On this town line from between the third and fourth concessions northward some three miles were thoroughly ditched and permanently opened.

Carpenter Road.—Between lots six and seven, Carpenter, a mile of road was opened and crosswayed through a muskeg, which is a great advantage to the district, but requiring a further outlay to complete the work.

Crozier, Devlin and Lash Road.—Work east and west from Devlin road, and being between sections 21 and 28, 20 and 29, 22 and 27, and 19 and 30, making four miles of road opened.

Crozier and Lash Road. The expenditure upon this road represents 342 rods of crosswaying at a dollar per rod. The work is one of the most important in the district, and the method adopted is the cheapest and most effective for opening roads for settlers, in this instance, at any rate.

Devlin and Burris Road. -The improvement of the chief road from Devlin into Burris Township for several miles, making a good general highway.

Dorion Road.—Five miles of improvement over the road west of Coldwater River and east of Coldwater. Four miles were opened and eight also repaired, with a bridge erected over north branch of the Coldwater stream on lot 13, concession 5. Settlers are occupying this portion of the township and the land appears to be very good.

Echo River Bridge.—A bridge over Echo River on the Great Northern Road was re-planked over its length of 183 feet, with some absolutely necessary repairs of stringers and other portions of the structure. This work was done at a very small cost, but the inspector says it will be necessary to renew the bridge next year, or it will not be safe for traffic.

Eaton Township Road. -On the main line between Dryden and Oxdrift, and between concessions one and two, three and four, three miles of grading was done, including a considerable amount of crosswaying and ditching.

Fort Frances and Rainy Lake Road.—Grubbing, grading and ditching the road between Fort Frances and Rainy Lake—something like a mile.

Goldenbury and Day Mills Road and Bridge.—A bridge re-built on lot 3, concession 2, Day, with a main span of 35 feet, and total length of 78 feet. Repairs were made on the road between lots 11 and 12, concession 2, Gladstone, north to Basswood Lake; thence west to lot 2, concession 6, Day, about three miles.

Grand Portage Road.—From northeast corner of lot 1, Wells, east on boundary between Parkinson and Grassett to the centre of lot 12, Grassett; thence northeast to centre of lot 10, a mile and a quarter was opened through a heavily timbered district.

Howland Township Road.—From the middle of lot 26, concession 6, Howland, southwest to lots 29 and 30, concession 5, a mile and a half of substantial improvements were effected, raising the road bed above a low level, which was annually flooded.

Hymer Road. In the Townships of Gillies and O'Connor, the main road from Hymer's was repaired over two miles, including the repair of a bridge, and in Gillies a mile and a half was graded south from Hymer's, while on the third concession a mile was cut and graded to the 25-mile siding, where there is a mill. Four and a half miles of work altogether.

Harrow Township Roads. -This work was performed in the Township of May for the benefit of the settlers of Harrow Township, and is three-quarters of a mile of road opened from between lots 9 and 10 and one mile north of the boundary between Harrow and May, and thence north to concession 1. About one mile of general improvement was made on the first concession of May west of lots 9 and 10. A bridge was also built 53 feet long, with a span of 30 feet.

Indian Peninsula Road. Repairs on main roads in the County of Bruce, in improving some bad portions.

Isbester and Port Finlay Roads.—From the southeast corner of section 2, Laird, west between sections 2 and 11 to the Canadian Pacific Railway, about a mile was chopped, ditched and largely corduroyed. Work was also done from the southeast corner of section 2 southwesterly to Isbester Station, about 120 rods.

Jaffray Township Road. Is an extension to Black Sturgeon Lake, in a northeasterly direction, in order that settlers having small holdings, and who raise a quantity of garden product, may reach a market. The country is rocky and swampy generally and settlers cannot without aid open the most necessary roads. Several lots have been recently located in the township, which are heavily timbered with spruce, tamarac, birch and jackpine. A further extension of this road is desirable.

Korah Roads.—From the town line of Korah and Tarantorous, between sections 1 and 12, Korah, westward, half a mile was opened, with the repair of three bridges. Repairs were also made in the southwest corner of section 11, north, between sections 10 and 11 to the corner of 10 and 3; thence northwest half a mile over section 3, a mile and a half; eighty-five rods were opened also between sections 9 and 10 in the same township.

Lybster Main Line Road.—Repairs were made from Bishop's to the railway at 34-mile post, a mile and a half, and a new road was opened one and a half miles to the boundary of Marks Township. Lybster is being well settled by Finlanders, who appear to be an industrious and progressive people. More roads are required in this township.

Lake Shore Road. This work was from section 26, Lefroy (east side), westerly over sections 26, 27 and part of 28, about two and a half miles. A bridge was also erected over McBette's Creek on section 26, fifty feet long, with two 20-foot spans and proper hand-railing.

Midhipicoten River Bridge. -A bridge, which has a total length of planking of 190 feet, is comprised of two sixty-foot spans and two 20-foot spans, with approaches. The main piers are 10 x 20 feet, and ten feet high, with cut-water fronts. Almost a mile of road was also worked over in connection with the bridge.

May Township Road.—From con. 6, between lots 6 and 7, one mile of grading, and over lots 5, 6 and 7, concession 1, a mile and a half of grading, all in the Township of May.

Mississaga River Road.—Upon the north side of the Mississaga River opposite centre of section 25, Thompson, and from thence northwesterly two and a half miles to the northwest corner of "Indian Reserve," general repairs were made, with necessary off-take drains.

Mississaga Scow.—The renewal of cable chains 650 feet long to preserve traffic over Mississaga River at Thompson postoffice, northeast quarter, sec-

tion 8, Thompson. About a quarter of a mile was also graded leading to the scow, and is between sections 20 and 21.

McIntyre Road.—A road on the town line between Neebing and Oliver and opposite lots 16 and 25, inclusive of Neebing, a length of over two and a half miles, giving settlers access to market.

McIntyre River Bridge.—A bridge over the river named and built at a cost of $204.91, the municipality paying one-half cost.

McGregor Road.—The extension as a road for wood supplies, etc., for two miles, and with other work represents about four miles of generally good winter road. The Inspector says the good land is only in patches and will not amount to very much for general settlement.

Marks Road.—This work was along the town line of Lybster and Marks, and north between lots 6 and 7, altogether four miles cut out, grubbed, corduroyed and ditched, in the bad and most necessary places.

McIntyre Road.—Or more properly, Murillo Road, or Paipoonge Crossing Road, runs through lot 19 east and west for two and a half miles as a continuation of the Neebing and Oliver Road.

Manitowaning and Providence Bay Road.—Three-quarters of a mile opened from lot 8, concession 12, Carnarvon, to lot 11, and an equal length stumped and graded from lot 5 to lot 8.

Morley Road.—The draining and ditching of a road opened two years ago. Most of the length was double ditched and tap drains opened.

Morley and Ball Road.—Work from the southwest corner of lot 26, Morley, west to the southeast corner of said lot, one mile chopped, grubbed and double ditched, were required, and is a great benefit to the community.

Mather and Tait Town Line Road. About three miles opened across concessions 1, 2 and 3, a large portion being double ditched and drained.

Mather and Dobie Town Line Road.—Work in these townships to open the roads and lands for general traffic.

Oliver Township Roads.—A mile and a half opened, with repairs upon other portions to meet necessities of settlers in the north portion of the township. Three small bridges were built, with the necessary approaches and ditches.

Otter Tail Lake Road.—This work is a diversion of the Great Northern Road through lot 8, block "A," mining location, for the avoidance of some steep, rocky hills, and thus securing a comparatively level road.

Pine River and Patullo Road.—Some seven miles of work from between lots 16 and 17, Dilke, northerly and easterly, to the northeast corner of section 8, Pattullo, consisting of chopping, grubbing, ditching and crossswaying, making, the Inspector says, one of the best roads in the settlement. through heavily-timbered country for one mile, beginning 20 chains west and 20 chains south of the east corner post between sections 25 and 36 of Pennefather, and thence northwest to a post between sections 25 and 26, and continuing northwesterly into section 26. It was a difficult mile to construct, but has opened a road into the settlement which it is intended to serve.

Prince Township Roads.—About three miles of general improvements were made from the northeast corner of section 36 west, half a mile was also chopped out on the town line of Prince and Korah between section 25, Prince, and section 30, Korah, with ditching. One mile was opened and stumped from the southwest corner of section 15, and between sections 15 and 16, opening the same to general traffic, and another mile was opened from the centre line of section 11 northward, and as to which latter work much gratuitous labor was contributed by settlers.

Paipoonge and O'Connor Road.—About five miles of road were graded and fully repaired in order to open a practicable route down the Whitefish Valley towards the railway. On the east side of Silver Mountain Road three miles were repaired, all within the townships named.

Parkinson Road and Bridge.—The expenditure was chiefly upon what has been known as White River Bridge, on north half of lot 9, concession 3, Parkinson. The bridge is 248 feet long, with a 100-foot span and two 40-foot spans, besides approaches. The whole bridge was re-planked with three-inch pine timber. Repairs were, however, also made on the Parkinson Road between lots 4 and 5, from concession 4, Gladstone, north to concession 2, Parkinson, some four miles.

Road between lots 8 and 9, Mather.—A road north from Rainy River Road, for the use and accommodation of the settlers and of the townships generally.

Roddick, Crozier and Miscampbell Road.—Grubbing, grading and ditching from between sections 21 and 22, Crozier, north to the south town line of Miscampbell, about three miles. The Inspector says the road should be continued north into Miscampbell.

Rainy River Roads.—Across lots 5, 6 and 7, Attwood; grading, crossweying and ditching were done, and in the Township of Aylesworth two miles were brushed, grubbed, ditched and crosswayed, making a most important improvement.

Road between concessions 2 and 4, Paipoonge.—The cutting out, crossweying and grading from a bridge over Slate River to lot 1, concession 4, Paipoonge.

Scoble Township Road.—The extension and improvement of a mile and a half along the town line between the Townships of Scoble and Blake. Settlers worked 52 days extra for their board, to assist in opening of the road.

St. Joseph Island Roads.—From side line 5, concession "D," south 120 rods, were stumped and grubbed forty feet wide.

Stanley and Corbett's Creek Road.—A main ditch through four and a half miles of swamp was opened from lot 1 to lot 19 in Paipoonge, involving the removal of some 12,000 scubic yards of material. The road is between concessions 2 and 3, Paipoonge and Neebing.

Sandford Township Road.—Across lots 1 and 2 of the first concession, and south towards Minnetakie Station, general repairs were made, and crossway approaches to Eagle Lake Station. Another road is required for the advantage of settlers and further development of the township.

Scoble Road.—A mile and a half in Gillies Township was cut out and graded from main Gillies Road, in concession 2, towards Scoble. Further roads should be opened for development of the Townships of Scoble, where it is reported some good farming lands exist.

Strange Township Road.—The cutting out and grading of one and three-quarter miles north from the track between lots 2 and 3, concessions 3 and 4, to the Whitefish River. Some 23 families have gone into this township, the Inspector says, since last spring. A bridge is required later to further open the township.

Sheddon Township Road.—In the Township of Victoria, from southwest corner section 20, north between sections 19 and 20, one mile, thence northwesterly into section 18, half a mile; a fairly good road is now opened through a heavy growth of timber, requiring more work to complete it as a general highway.

Silver Water and Meldrum Bay Road.—Four miles of general repairs on lot 7, concession 7, Robinson, southeasterly across lots 7, 6, 5, to concession 5; thence east on concession 5, over lots 1 and 2, Robinson, and 1, 2 and 3, Burpee.

Shenstone and Tait Road.—Nearly two miles were opened upon this road, and a mile and a half graded and ditched, all in the Townships of Tait and Shenstone.

Salter Township Roads.—From the town line between Victoria and Salter and northwest quarter section 31, Salter a heavy off-take ditch, 46 rods long, was opened, and three and a half miles of excellent repairs made, viz., through section 31 half a mile to Black Creek, where a bridge 50 feet long and span of 22 feet was built, and grading continued to section 32 to and between sections 33 and 34. The whole road was well graded.

Sheguiandah and Manitowaning Road.—Two miles of gravelling, from centre of lot 7, between lots 20 and 21, north to centre of lot 10, Sheguiandah.

Tehkummah Road.—Work across lots 6 to 8, concession 2, and 26 to 28, concession 3, Tehkummah, representing three-quarters of a mile of grubbing, ditching and gravelling.

Thessalon River Bridge.—A bridge on lot 3, between concessions 1 and 2, Aberdeen, with a main span of 40 feet and total length of 130 feet; all constructed upon piles and new throughout.

Vankoughnet Road.—Beginning 20 chains south and 20 west of the east corner of sections 24 and 25, Pennefather, and working thence north, a mile and a half, was well graded and ditched, with necessary off-take drains. Another half mile was well opened for at any rate winter traffic.

Van Horn Township Road.—From the limit of Dryden Village along the fifth and sixth concession line of Van Horne, three miles were improved. Further work is necessary in this township.

Wainwright Road.—The opening between concessions 3 and 4, across lots 3, 4, 5, 6, one mile, and three-quarters of a mile across lots 7, 8, 9, in concession 2, on the line of the new bridge. More money is yet necessary to complete the road.

Winnipeg River Road.—The old road along the river front has been changed, and now runs through the line between locations 54 D and 64 D, belonging to Mr. Waldman, he owning the waterfront. There were some difficulties in connection with the location of this road, but I understand that everything is now amicably arranged.

Worthington and Blue Road.—Two miles of excellent road opened opposite sections 2 and 3, and 10 and 11 of Worthington.

Zealand Township Road.—Improvements from northwest of Wabigoon for about two miles, along which a number of settlers are located. Several culverts were constructed, and altogether over 3,000 lineal yards graded.

West Division.

Bala Bridge.—One hundred and ninety-one feet of covering and repair of hand railing.

Aspdin Road.—Almost a mile and three-quarters of grading, ditching and general repairs, from lot 18, concession 2, to lot 22, concession 1, of the Township of Stisted, and reaching to the town line between Stisted and Stevenson.

Bear Lake Road.—Two miles of repairs on the side line between lots 10 and 11 of Monteith, between concessions 2 and 7.

Big East River Bridge.—In the Township of Chaffey, was covered for 140 feet, with the addition of hand railing and other general renewals.

Baxter Roads.—A mile of grubbing and underbrushing on lot 34, between concessions 6 and 7; and from lot 30, concession 2, northeasterly, a mile and a half of repairs were made.

Bethune 20 Sideline Road. This work was from concession 12, from the side line named, north for half a mile, representing fairly good grubbing and grading, for the small expenditure of about $120.

Croft Road.—A mile of grading on the road north of Dunchurch, extending east on the Ah-Mic Harbor Road.

Chaffey Sand Lake Road.—On lots 26 and 27, about a quarter of a mile has been gravelled, and on lot 30, 40 rods have been opened; all on the town line of Perry and Chaffey.

Chaffey 12th and 13th Concession Road. A continuation of last year's operations on lots 29 and 30, of concession 13, Chaffey. The length worked over was half a mile, with 40 rods of a deviation upon lot 30, concession 12, to avoid a high, stony hill.

Cardwell Roads.—A mile and a half of general improvements between lots 27 and 21, on the 12th and 13th concessions, and a mile and three-quarters well repaired between lots 21 and 14, in the 5th concession, all in Cardwell Township.

Draper Roads.—A course of general repairs covering about four miles, and being from McLean's Corners to Taylor's Hill, and from town line of Draper and Oakley at lot 32, concession 7, Draper, to lot 25, concession 6.

Great North Road.—And known generally as Northern Road, in the Parry Sound District, was substantially improved from the town line of McKellar and Hagerman, lot 41, two and a quarter miles. Fifteen new culverts of cedar were put in.

Golden Valley and North Road.—Five miles of very satisfactory improvements were effected from lot 24, concession 7, Pringle, westward.

Huntsville Bridge Approaches.—Some ninety feet of approaches were filled in to an average depth of about thirteen feet, and made 23 feet wide at top of embankment, and which, with the hand railing, makes a very permanent work.

Kane's Corner's to Dwight.—The improvement of a mile and a half from concession 13 on the side line between lots 15 and 16, southeasterly towards Dwight.

Lewisham Road.—A quarter of a mile of work from Lewisham post-office, between lots 5 and 6, south in Ryde Township, consisting of gravelling and crosswaying.

Lake Joseph Road.—From lot 1, concession 13, Medora, north to concession 2, Humphrey, two and a half miles were repaired. One hundred rods of crosswaying was covered in connection with the work.

Matchedash Bridge.—This represents the forming of approaches to a bridge on North River, and between lots 3 and 4, concession 4, Matchedash. The work is solid stone, 50 feet long, and average depth of about seven feet. The bridge on lot 2, concession 6, was also repaired.

McMurrich 20 Side Line Road.—Half a mile was opened from the side line between Stisted and McMurrich, into the latter township, on the 20 side line, and on the 3rd concession a quarter of a mile was graded.

McConkey and Hardy Road.—Two miles of general repairs in the Township of Hardy.

McDougall Road.—A road cut out for a mile through lots 9, 10, 11, 12, concession 14, as a deviation to avoid a hill, and which will eventually make an excellent highway.

McDonald Bridge. A contribution made to the Township of Rama towards the building of a bridge over Black River on lot 35, concession 1. The old structure, entirely decayed, was 148 feet long, with a 50-foot span, and 11 feet high above the general water level.

Magnetawan Road.—One mile of substantial repairs from the Village of Magnetawan east to the bridge over Distress River.

Mills Road.—The opening of about a mile and a quarter on the 10th concession through lots 20 and 25, Mills; 25 rods of crossweying were built, and the road cleared 33 feet wide.

Main Road between Burk's Falls and Magnetawan.—Beginning at lot 11, on the 10th side line, and extending north to concessions 12 and 13, thence west to lot 15, all in the Township of Ryerson, a mile and three-quarters of grading and general repairs were made.

Mills and Hardy Road.—A work on the town line between Mills and Hardy, from lot 32 east three-quarters of a mile, consisting of grading and gravelling.

Muskoka Road.—Two miles were improved from lot 8, concession 3, Armour, to lot 6, concession 6, and 222 rods have been gravelled and graded upon old crossways and low ground, from lot 6, concession 3, Muskoka, to lot 9, concession 3. Tap drains were also opened, aggregating a quarter of a mile in length.

Muskosh Road.—From the line between Muskoka and Wood towards Bala, two miles of improvements were made over a rough portion, and was chiefly stone filling.

Morrison Road.—A very rough and rocky section was repaired in a satisfactory manner over a length of three-quarters of a mile from the town line of Morrison and Wood between concessions 11 and 12, and extending east over lots 33, 34 and 35.

Morrison Township Road.—On side line between lots 25 and 26, concession 7, Morrison, there was gravelled through a swamp 100 rods, and 50 rods of drains were opened.

Macaulay Road.—From the town line of Macaulay and Stevenson, at the 25th side line, south to concession 10, two miles of excellent repairs were done.

Monck Road.—A mile of work on the side line between lots 15 and 16 and concessions 12 and 13, Monck, and through what is called Donald's Swamp. Half a mile was improved by hauling and covering with earth, and the balance was improved with a road grading machine.

North Seguin River Bridge.—A bridge built over the river named on Orange Valley Road in the Township of Spruce.

Novar and Ilfracombe Road.—Substantial repairs have been effected between lots 3 and 4 and lot 10 on the town line between Parry and Chaffey, a distance of two miles.

Nipissing Hill.—Three-quarters of a mile graded from lot 17 east, between concessions 6 and 7, Nipissing.

Nipissing Junction Road.—From lot 33, concession 14, to concession 18, Ferris, three miles of repairs were made.

Northeast Nipissing Road.—On the boundary between the townships of Nipissing and Himsworth, and through concessions 12 and 13, three-quarters of a mile was opened, with necessary ditching and culverts.

Northern Road.—Two miles improved from lot 35, concession 14, Croft, to lot 2, concession 3, McKenzie.

Northern Road Bridge.—A small bridge erected over a stream on lot 17, concession 14, McKellar.

Orillia and Matchedash Town Line Road.—Represents three-quarters of a mile of work between concessions 3 to 5, on the town line referred to.

Oakley Road.—A mile of grading from lot 27, concession 6, Oakley (and south end of Wood Lake), southeasterly to lot 23, concession 5; and another half mile on lot 17, concession 5, was well improved, making a total of a mile and a half.

Pine Lake Road.—From lots 20 to 25, concession 13, Oakley, about a mile and a half was graded and partially improved as a deviaion from an existing road, and which settlers had previously opened roughly.

Perry 25 Side Line Road.—This was chiefly the cutting down of heavy hills and improving the road between concessions 12 and 14, upon the side line mentioned.

Parry Sound Road.—A mile and three-quarters of work from the 3-mile post near Featherstone, ending at junction of railway.

Port Carling Road.—Grading on the town line of Watt and Monck westerly to lot 24, concessions 1 and 2.

Portage Road. The only highway between Peninsula Lake and Lake of Bays, and less than a mile in length. It has been repaired throughout very satisfactorily.

Ryerson Road.—Two and a half miles well improved between lots 1 and 10, on the 6th and 7th concession line of Ryerson, to Magnetawan River. A deviation was made on lots four and five to avoid a high hill. The work consisted largely of crosswaying and ditching.

Rosseau and Nipissing Road. From the 6th mile post or lot No. 116, in the Township of Chapman of the road survey to lot No. 130, in the Township of Lount, a mile and a half was improved in sections, included in which were 75 rods of broken crosswaying repaired.

Sand Lake Road.—A mile and a half well graded between concessions 12 and 13 over lots 2, 3 and 4 of Bethune.

Strong, concession 10 and 11 Road.—This was chiefly the laying of 115 rods of crosswaying through lots 2, 3 and 4, representing altogether three-quarters of a mile.

Shawanaga Bridge.—Structure renewed over the Shawanaga River, in order to preserve traffic between Parry Sound and Byng Inlet, on the Northwest road, which is the only highway between these two points.

Stephenson Road.—Three-quarters of a mile graded and gravelled on lots 21, 22, 23 and 24, concession 6, and an equal length improved on lots 14 and 8, same concession and elsewhere, the municipal council spending a considerable sum in opening tap drains to prevent flooding of the highway.

Stony Lake Bridge.—A bridge on lot 31, concession 12, Dummer, burnt last spring, and renewed this year; about three-quarters of a mile of road was also repaired.

Trout Lake Road.—The improvement of three miles from lot 18 along the shore of Trout Lake, in the Township of Widdifield. The road had been very badly cut up in consequence of heavy railway traffic in drawing supplies.

Watt and Cardwell Road. From lot 4, concession D, Watt, north about Skeleton River to connect with work of last year at the town line of Cardwell. Half a mile of a new road was opened.

East Division.

Alice Township Roads.—Between lots 25 and 26, of concessions 11 and 12, three-quarters of a mile of ditching was done, and another mile was worked over from lot 5 south, in the 14th concession. A mile and a quarter was also improved southward and three miles repaired from lot 10 in Ellice

southward to the Wilberforce town line. A bridge on the 7th concession was almost entirely renewed, involving a covering of 500 feet, with over 100 yards of filling for approaches.

Amable Dufond Bridge. -A structure on lot 21, concession 5, Calvin, made safe for the present. The Inspector, however, states that two piers should be renewed under the structure, to fully finish the renewal of the bridge.

Appleby Road.—The grading and improving from lot 12, concession 2, Dunnet, to lot 5 of Appleby of over two miles.

Appleby and Jennings Road.—From concession 1, Appleby, south to concession 5, Jennings, three-quarters of a mile was well graded, and a quarter of a mile brushed out on the fifth concession of Jennings. Again, from lot 1, concession 1, Appleby west, half a mile was well graded and drained. The bridge between Dunnet and Cassimir was covered over its length of forty feet.

Antoine Creek Bridge.—A bridge 106 feet long, constructed over Antoine Creek, in the 6th concession of Mattawan. A rough but strong work.

Anstruther, Burleigh and Chandos Roads.—Eight miles of repairs were effected in opening and improving roads into cheese factories, which is the important industry in that district. Two and a half miles were improved in Burleigh, and elsewhere about five and a half miles, making a length of nearly forty miles available for general traffic.

Ashdad and Springtown Road. From Springtown west three miles of general improvements were made, with very satisfactory results.

Airy Township Roads.—Three miles of improvements from Whitney Station east, and from about six miles from the Village of Whitney, three miles of work is also reported to have been done in a very satisfactory manner. Six new culverts were put in, and drainage well attended to.

Arden Harlow and Kennebec Road. From lot 14, concession 9, Arden, three miles of general repairs were made.

Back Communication Road.—This road is from Peterboro' north to Chemong Lake, six miles, in the Township of Smith, the work being between concessions 7 and 8 and concessions 3 and 4, and chiefly the renewal of a bridge.

Badgerow and Gibbon Road.—A mile and a half of crosswaying and earth covering, from lot 14, Field, along the Sturgeon River road.

Bedford Station Road.—General repairs over about two miles, including four principal and new culverts, with a good deal of drainage.

Blezard Road.—Half a mile graded on the 5th concession, and eight miles gone over and improved to Blezard Mine.

Brazeau Road.—From lot 7, concession 5, to lot 8, Springer, some rough opening and improvements were made.

Blezard and Hamner Road. A bridge was built from this road with a 26-foot opening, and approaches of 116 yards. Half a mile was also graded between lots 7 and 8, concession 1, Blezard, and twenty rods' between lots 7 and 8, concession 5, of the same township.

Bastedo and Vazina Road.—From concessions 1 and 2, Bastedo, a mile and a half was cleared and ditched to concession 5, Field.

Blue Sea Road.—Three-quarters of a mile improved between lots 1 and 10, Chisholm.

Bidal Road.—A mile was cleared in this case, and a quarter of a mile graded from the side line between lots 3 and 4, concession 2, of Springer.

Bonfield and North Bay Road.—Beginning at lot 2, and thence along concessions 8 and 9, Bonfield, half a mile was graded, and another half mile

stumped and stoned. Again, a mile and a quarter was opened and brushed, and a considerable amount of ditching done between concessions 14 and 15, and through lots 14 to 19 of Ferris.

Bonfield and Ferris Road.—Gravelling and grading from between concessions 9 and 10, lot 6, of Bonfield, for a distance of three-quarters of a mile.

Bonfield Road. About three-quarters of a mile brushed and cleared from lot 20 to lot 23, between concessions 2 and 3, Bonfield.

Burleigh Road.—This main road is from Burleigh Falls to Apsley, a length of some twenty miles. The grant made this year was spent upon a deviation about heavy and impassable hills, including a cedar bridge built over a creek, along which the deviation runs, for better gradients; about a quarter of a mile of heavy work with the bridge is the length covered.

Bell's Bridge.—A bridge over a gully on the boundary between Monteagle and Wicklow, near Maynooth Village, and originally 125 feet long. The entire space has been filled in, excepting 16 feet of an opening, making the structure now practically a permanent one.

Bridge in Lutterworth. Is at the foot of Bob's Lake, lot 12, concession 18, Lutterworth, which was renewed, and the road opened to intersect the main highway.

Bridge on Monk Road.—Erected on lot 33, concession 3, Digby; built entirely of cedar, with a 20-foot clear span, resting upon piers 10 feet x 14 feet and 8 feet high, with the necessary approaches.

Burnt River Road. There were eight miles of general repairs made from Burnt River south to Silver Lake, and a mile and a half from lot 21, concession A north, all on the Buckhorn road.

Brudenell, 16th Concession Road.—A large portion of this road was repaired, including rock blasting, and the renewal of eight culverts, with general drainage, and covering about three miles.

Brudenell and Killaloe Road.—Beginning at concession 3, Hagerty, and from thence southward a mile and a half of general improvements were made, including culverts and bridging, and from Killaloe north towards Brudenell a mile was repaired and a dangerous sink-hole filled in.

Buckhorn Road.—A road from Buckhorn to Gooderham River, some thirty miles, about six miles of which were repaired, from lot 12, concession 8, Harvey, north through a sparsely settled portion of the district.

Bog Road.—This work began at lot 9, concession 10, Hinchinbrooke, and was continued south for about five miles, making a well-drained and largely gravelled road.

Buchanan and Wylie Road.—Two bridges were built on this road, one being 188 feet long, and another 43 feet long, the latter being over Tucker Creek. A mile and a half of road was also opened through what was simply a winter trail, from lot 13 westward.

Carlow, Mayo and Bancroft Roads.—From Mayo and Carlow boundary south to lot 11, concession 12, Mayo, some five miles of improvements were made.

Cataford, Gibbons and Crerar Road.—From Sturgeon River between Gibbons and Crerar an eighth of a mile was grubbed, and a bridge with 108 feet of covering built over a creek south of the river. A quarter of a mile was also brushed out farther southward.

Capreol and Hanmer Road.—From the centre of lot 8, concession 2, Hanmer, a mile of crosswaying was done, with repairs across lots 10, 11 and 12.

Cassimir and Jennings Road.—A mile and a half of gravelling and grading was done from concession 2, Dunnet, between lots 6 and 7, to concession 6, Cassimir, and between lots 9 and 10, concession 3, of the same township, ditching and crossweying was done across lots 9 and 10 for a length of one mile.

Calvin Roads.—Repairs were made between lots 18 and 19, and between lots 5 and 6, and a mile and a quarter grubbed between lots 15 and 16 through concession 1, all in the Township of Calvin.

Calabogie Road.—A road in the Township of Bagot, beginning at lot 25, and from thence south towards Calabogie.

Caldwell, concession 3 and 4 Road.—Between lot 11, concession 3, Caldwell, and lot 1, Kirkpatrick, more than a mile was cleared and stumped.

Chisholm Township Roads.—The expenditure in this instance was distributed over several portions of the township, and was largely for crossweying, grading and bridging. Work was done through the 6th concession between lots 3 and 4, and on lot 14, concession 20, and from lot 5, concession 16, with a bridge erected between lots 9 and 10, concession 18, trussed, and length of 45 feet covered with 2-inch planking. Another bridge was built on lot 9, in the 10th concession, with a quarter of a mile of grading between lots 4 and 5, representing altogether about two miles of road besides the bridge work.

Cardiff Deer Lake Road.—A main road between Pusey and Deer Lake Stations on the Irondale, Bancroft & Ottawa Railway, and the work done was from Deer Lake Station to lot 8, concession 22, Cardiff, seven miles of substantial repairs.

Cameron Township Roads.—From the town line between Papineau and Cameron, on the Pembroke and Mattawa road, a mile was graded, and from the said Pembroke and Mattawa road another half mile was graded, including the repair of several bridges. Two miles and a half were also repaired and gravelled from centre of lot 1, concession 25, Cameron, to concession 24, thence east across lot 1.

Cassimir and Martland Road.—A mile and a quarter was crossweyed upon this road, and from lot 1, concession 3, Crosby, to lot 4, repairs over about a mile were made. Between Cosby and Martland three-quarters of a mile of crossweying was also laid, and in addition a quarter of a mile of grubbing, brushing and stumping from the north end of lots 10 and 11 through concessions 2 and 1, with eight rods of timber laid on lot 5, concession 4, Cassimir, and six rods through lots 4 and 5, concessions 6.

Cosby Road.—Two and a half miles were worked over and generally improved, the chief work being, however, from lot 7, concession 2, Martland, to lot 12, which length was brushed and logged, with ten rods of crossweying.

Caverdish Roads.—Repairs from lot 1, concession 18, continuing six miles. Again, on the Galway and Cavendish road, seven miles were improved on the line between concessions 14 and 15 to lot 16. Work was also done in opening through a swamp between concessions 11 and 12, and lots 5 and 6, Galway, materially improving the highways in that township.

Dunnet 3rd concession Road. -This work was from the side line between lots 6 and 7, Dunnet, consisting of repairs and gravelling about a mile and a half on the 3rd concession.

Deer Creek Bridge.—Which is in the Township of Chandos, and on the Methuen road, has spans of 31 and 12 feet, with height of about 14 feet, and resting upon two main piers. The original length was 152 feet, and is now reduced to 67 feet, making a very permanent work. It is on lot 32,

concession 9. Another bridge of the same name was erected over Deer Creek, on the 1st concession of Hugel, with a 24-foot span, and a total length of 65 feet.

Devil's Lake Road. A road from the Monck Colonization road southwesterly to White Lake road, a length of about four miles, and ending at lot 29, concession 5, Snowden; a bridge was also built over a creek upon the same lot.

Dalton Road.—Some two and a half miles were improved in this instance, chiefly in covering and grading over old crossways. The work began at Kehoe's bridge, on Black River, and continued southward. It is the only road in the township running north and south, and therefore of great importance.

Eighth Line, Smith.—A work from Phelan's Corners, near Lakefield, westerly, and repaired with 310 loads of stone. The county contributed one hundred dollars.

Eldon Third Quarter Line Road.—Three-quarters of a mile of ditching, through lots 15 and 16 of the said quarter line road through a heavy swamp, as a continuation of last year's work.

Ferry Roads.—Two roads leading to Howe Island were repaired this year. These roads are practically their only means of access to the island during the summer season, and they were in very poor condition. The money spent has, however, very much improved them, and formed them into fairly good highways, and probably with their future exertions, and which must remain largely, if not entirely, with the residents of Howe Island, they may be maintained in future without any further aid.

Ferris Township Drain.—Half a mile of ditching, about 12 feet wide and three feet deep, on lot 18, concession 8, to reclaim low land. The Inspector suggests another grant of an equal sum ($300) to complete the work.

Ferris Township Roads.—Some three or four miles of grading and other work was done in the above township, namely on lots 12 and 13, concession 2; on lot 23, concession 2; on lot 10 to lot 9, and on concession 13, between lots 14 and 15, and also on the 14th concession. The above includes three-quarters of a mile of new road.

Field Roads.—The sum of $125 was spent on concession 1, between lots 2 and 3, and for the balance of the grant, which was $300, a mile along the river between lots 1 and 2, concession 1, was opened. Again, from the north end of concession 6, lots 10 and 11, a mile was cleared out to concession 5, and a short distance opened along the river.

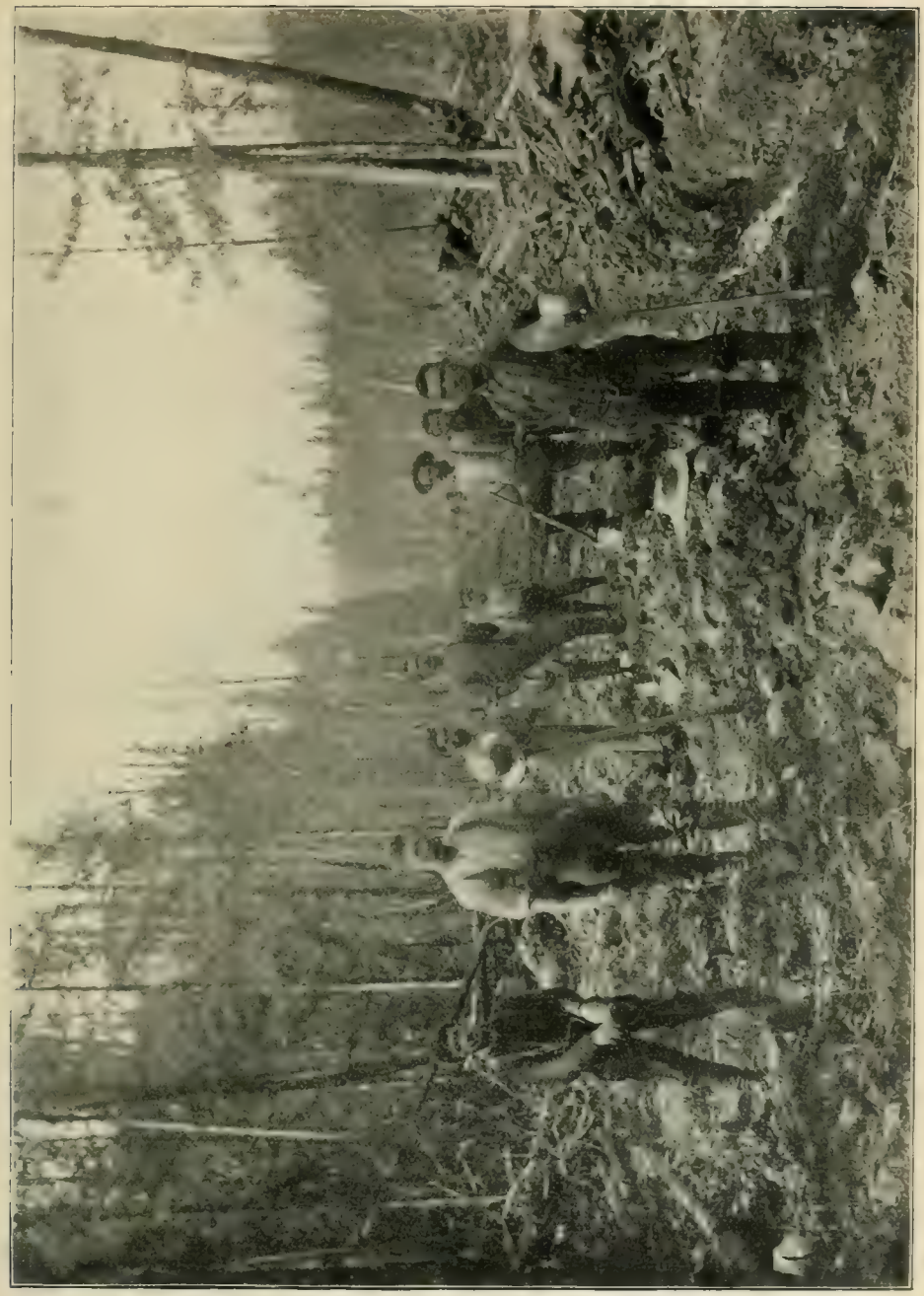
Foymount and Brudenell Road.—From Foymount west two miles towards Brudenell were satisfactorily repaired, drained and graded.

Fourth concession Road, Hagarty.—The work was on the 5th concession, from lot No. 5 east towards Wilno, two miles, and included a bridge built over a stream, with a large amount of earth moved into low, swampy ground.

Gibbons Township Road.—Some two and a half miles were repaired on the 2nd concession line of Gibbons making very substantial improvements.

Galway Roads.—In the above township from lot 1, concession 14, eastward, two miles, and thence north a quarter of a mile, repairs were made, and on concession 14, between lots 5 and 6, to concession 12, a mile and a quarter was improved, and again, work was done from lot 1 east to lot 20, concession 7, representing about five miles of general work.

Garson Township Road.—From the southwest corner of lot 12, concession 1, northeasterly across lots 11 and 12, to concession 2, a mile and a quarter or thereabouts was opened and prepared for general grading.



Men at road work.

Colonization Road Camp.

BRIDGE OVER
MUSKOKA RIVER.
PORT SYDNEY.

Difficult piece of road building.

Road with first half finished.

A finished road in Armstrong Township.

Finished road in Buck Township.

A Colonization Road after a year's travel.

Grant Township Road.—A mile of work in the Township of Field, from between lots 1 and 2, to lot 3, concession 2, and again, from lot 10 to lot 8 of Grant, half a mile was graded.

Hagarty Road.—Three miles of valuable work from lot 32 east on the

Hugel Concession Three Road.—From lot 12, Badgerow, on concession 3, three-quarters of a mile was opened on the concession named towards Hugel, and along the edge of a small lake to the first and second lot line and thence north.

Hurtubise Road.—In the Township of Field, from lot No. 8 half a mile was graded across range 4 to lot 10.

Hagarty Township Road.—About two miles were improved from lot 24 west on concession 3, and half a mile of new road was opened from the 7th concession of Sherwood north.

Hugel and Badgerow Roads.—This work was from concession 5, between Kirkpatrick and Caldwell, the work consisting of repairs to lot 2, between Hugel and Badgerow.

Jodouin Road.—This highway, which is in the Township of Springer, is from lot 1, concession 3, to concession 4, one mile, which was opened and one half turnpiked. Those who worked on the road gave each one day of gratuitous labor.

Kirkpatrick and McPherson Road.—Half a mile of grading was done from the centre of lot 9 across lots 10 and 11.

Kirkpatrick Township Road.—A mile and three-quarters of ditching, with half a mile of construction upon the 3rd concession.

Loudon and McPherson Road.—From the north boundary of McPherson and centre of lot 7, three-quarters of a mile was brushed and graded.

Lachapelle and Bonfield Road.—About three-quarters of a mile of work from the tenth side line, concession 9, and across lots 11, 12 and 13, and an equal length from lot 21, concession 10, across lots 18, 19 and 20.

Lutterworth, Snowdon and Minden Road.—Between lots 12 and 13 from the 10th and 11th concession line north to concessions 13 and 14, and thence west to Bobcaygeon road at lot 2, concession A, Minden, repairs were made over six miles; and again, on the third concession of Lutterworth northwesterly, to intersect the Cameron road at lot 16, concession 12, Lutterworth, repairs were made over five miles.

Lavant Road.—Two miles and a half were repaired on the Lavant and Snow road, upon very heavy hills. The expenditure upon these roads has put them into very satisfactory condition, and will, I am sure, be appreciated by the settlers.

Lake Desert Road.—Through lots 25, 26 and 27, between concessions 2 and 3, about three-quarters of a mile of grading was done, together with the renewal of a railing over a bridge 70 feet long.

Mud Creek Bridge.—This was an old structure originally 942 feet long on lot 12, concession 3, Herschell, over low, drowned land. It has been filled in 400 feet, leaving about 540 feet of the old bridge, which was well repaired and made safe for some time.

McArthur's Bridge.—A bridge on lot 33, concession 13, Mayo, renewed throughout. It is upon two piers, and is 55 feet in length, with 80 feet of approaches, and having a main truss of 36 feet.

Monmouth Township Roads.—Improvements were made from lot 6, concession 10, Monmouth, to lot 17, three miles, with repairs upon Monck road, aggregating about four miles and a half of work.

Martland and Cosby Township Roads.—About a mile was opened on the 3rd concession of Martland, and half a mile on the 3rd concession of Cosby, as a cheap winter road.

Maxwell Bridge.—The renewal of a structure on lot 6, concession 5, Glamorgan, which for some time was decayed and useless for traffic. The new structure is built upon piles, and is 62 feet long, and understood to be a very substantial work.

Methuen Road.—Some twenty miles of work in the shape of maintenance, from concession 4, Methuen, north to Wellington road, thence west to Baskin's Mill, and thence north to Deer River bridge, three miles of which were substantially improved.

Martland Township Roads.—Three miles of repairs, from lot 6, concession 4, Martland, to lot 6, concession 1, Haddo, and two miles from lot 9, concession 3, across lot 12. Also between the boundary of Cosby and Martland from lot No. 1 about two miles of clearing was done to concession 3; and with the construction of a trestle bridge 215 feet long is included in the above work.

North Harvey Road.—About eight miles were repaired between Bobcaygeon and Burleigh Falls, the work being in the township of Harvey from lot 10, concession 2, to lot 27, concession 17.

Nipissing Road.—From lot 33, concession 14, Ferris, repairs were made to concession 18, about three miles.

North Burleigh Road. Two miles of repairs from lot 4, concession 11, Chandos, north to lot 8, concession 13.

Openongo Road.—From the Township of Sherwood east two miles were improved, with the renewal of six culverts.

Oso and Bedford Road.—Two miles of work, including eleven culverts.

Pembroke and Mattawa Road.—A mile of grading from lot 9, concession 11, in Head, and in the Township of Clara, six miles were repaired.

Papineau Township Road.—From the side line between 25 and 26, concessions 11 and 12, 100 rods were graded, and between lots 16 and 18, concession 12, another 60 rods with good ditches. On side line between lots 15 and 16 drains were opened upon each side from concession 10 to concession 12, with some good grading, and half a mile was also graded on the Sutton road, with a quarter of a mile on Capitaine road.

Palmerston and South Canonto Road.—From Folger Station south, two miles of satisfactory work.

Perth Road.—From the Perth Road, in Cosby southward, for two miles, very satisfactory improvements were made.

Ross Township Road.—More than half a mile was opened as a new road on the 5th concession through a wet swamp, requiring the cutting down of two hills for material, and on the second concession from lot 16 east, a mile and a half was very substantially improved.

Rolph, Buchanan and Wylie Road.—A mile and a half of substantial gravelling from lot 15 eastward, with an equal amount of work from the same lot southward.

Round Lake Road.—About four and a half miles were improved on the above road, namly, two and a half on the main road, and two on a portion leading to the Methuen road, the work being in the Townships of Belmont and Methuen.

Silver Lake Road.—Bridges were built on lot 1, concession 9, and on lot 5, concession 11, Galway, with repairs upon Union Creek bridge, lot 4, concession 12. Upon the boundary between Galway and Harvey about six miles were more or less gravelled and improved.

Springer Road.—From lots 13 and 14, Field, eight miles were repaired over the above road.

Springer and Lafrance Road.—From concession D, between 2 and 3, half a mile was brushed out, and three-quarters of a mile stumped, with something like a mile of ditching upon one side of the road.

Sudbury and Richards' Lake Road.—A work from lot 2, concession 5, Broder, to lot 7, concession 2, McKim, representing half a mile of new road opened, and three and a half miles of repairs.

Springer Road.—More than a mile was opened from between lots 3 and 4, along the lake to lot 5, in the Township of Springer.

Stanhope Roads.—From lot 35, concession 3, northeasterly to the east boundary of lot 32, concession 5, and again between lots 30 and 31, south to the line between concessions 2 and 3, six miles of very important improvements were made.

Scow at Griffith.—Was constructed for the transport of teams and passengers, and is 29 feet 3 inches long, and 23 feet wide.

South Algona Sixth concession Road.—On this concession line a mile of filling and grading over a wet swamp was done in a very satisfactory manner.

Sauer Road.—Two miles of substantial work from lot 16, Sebastopol, south, and included the construction of five culverts.

Stony Lake Bridge.—A bridge on lot 31, concession 12, Dunnet, was replaced with a good culvert and permanent filling; about three-quarters of a mile of road was also repaired.

Sheffield Township Road.—Three miles of general improvements.

Temiskaming Roads.—Consist of the following, viz.: The West road in Kearns to concession 3, in Evanturel, 10 miles; the road between concessions 3 and 4 of Kearns from the west road westerly to lot 10, thence northerly to the front of concession 5, and westerly to Wabis Creek, four and a half miles; the road between concessions 3 and 4 of the Township of Bucke, from lot 7 west to lot 4, thence north to the fifth concession, thence west to lot 2, Firstbrooke, five miles; the road between Townships of Harley and Hilliard, Kearns and Armstrong was completed from the north road to lot 3, in Armstrong, a distance of five miles, three and a half miles of which was cleared, graded and ditched. The north road between lots 8 and 9, Hilliard, from the Harley town line to the White River was crosswayed, ditched and graded a distance of two and a half miles; the road between the 3rd and 4th concessions of Casey was cleared, ditched and graded from the White River to the Harley boundary, a distance of three and a half miles, and partly opened up through the Township of Harley to the north road, a distance of two miles. The town line between Dymond and Harris was opened up by clearing half width, ditching one side and grading from the centre of the 3rd concession northerly two and a half miles, thence easterly two miles—total, four and a half miles.

The Dawson Road from its eastern terminus was extended easterly by ditching and grading one mile. On Wabis Creek road three miles were ditched, graded and completed. A bridge was completed over the Wabis River on West Road. A bridge was built over Wabis River on the road between Dymond and Harley. A number of new bridges and culverts were built on the town line between Harley and Hilliard, and on the Long Lake road, aggregating over two thousand lineal feet.

A serviceable road was cut out and graded from Tomstown northerly along the town line between Evanturel and Ingram, and the east line of Marter to the front of the 4th concession, a distance of six miles. A road has been opened up along the line between concessions 3 and 4, Armstrong and Beauchamp, from the centre of Armstrong to lot 3, Beauchamp, four miles. A road was opened up and bridged from the centre of Evanturel

westerly along the line between the 3rd and 4th concessions to lot 9, thence diagonally across the 3rd concession to the front of the 3rd concession at the east boundary of Dack, thence westerly along the front of the 3rd concession to lot 10, Dack, thence northerly to Blanche River, 11 miles.

A road was opened up half width from the Blanche River in Dack along the 5th concession to the west boundary, thence northerly to Savard, thence westerly to lot 6, six miles.

A road was opened up on the line between concessions 1 and 2, Dymond, a distance of two miles. A number of contributions were made to aid settlers in opening up lateral roads in various sections. The west road from Liskeard to the Wabis River, in Kearns, a distance of fifteen miles, was improved by enlarging and clearing out ditches, extending outlets and making tap drains, and by levelling, crowning and grading by the use of the grading machine. The North road from Liskeard to Hilliard, a distance of 11 miles, was improved by ditching, extending outlets and crowning by use of grading machine.

The Dawson's Point road and East road, a distance of seven miles, and the Liskeard and Haileybury road, a length of six miles, were improved by ditching and grading.

Tamworth and Parham Road. -About a mile and a half of gravelling, grading and the putting in of culverts.

Victoria Road Bridge.- Was built over Black River about lot 7, concession 4, Longford, on Victoria road. The span is 30 feet, and total length 140 feet.

Verner Roads. From concession 2, between lots 8 and 9, Badgerow, three and a half miles were repaired to Sturgeon River, at lots 7 and 8. A bridge 155 feet long was erected on lot 2, concession 6, Caldwell, with another structure between lots 4 and 5, concession 1, McPherson.

Warren and Hugel Road.—A mile of work from the centre of concession 1, between lots 10 and 11, Hugel, to concession 2, and half a mile between concessions 1 and 2, across lot No. 10.

Warren Road. –A mile of grading to concession 2, between lots 1 and 2, Ratter.

Widdifield Roads. Several heavy hills were cut down and graded between lots 9 and 10, concession 5, and from concession B to concession 4, on the Trout Lake road effective repairs were made.

Wilno Station Road.—Beginning at the Village of Wilno, two miles were worked over, chiefly the reduction in gradient of two very large hills.

Wylie Township Line Road.—This work comprised the cutting down of a hill at lot No. 10, in Wylie, putting in four culverts, and with other general improvements, representing about three miles of work.

Wilberforce Roads. These were upon the 6th concession road, where $200 were spent; and upon the town line road, about $150.

Wisawasa Road. Three-quarters of a mile graded between lots 9 and 10, concession 14, Chisholm, with a like quantity from between lots 14 and 15 from concession 5.

Westport and Perth Road Bridge.—The original bridge was 150 feet long and 20 feet above the water. It was, however, found upon examination that a cheaper bridge could be made by changing the location of the road, and making a short and inexpensive structure, with a 17-foot span. The road is now from lot 21, concession 2, continuing along the river bank to lot 12, concession 1, and is about a mile long.

MINING ROADS.

Several roads leading into mines and to assist in mining operations were opened or improved, among them being: Bruce mines and Rydal Bank road, from concession 5, Plummer, between lots 4 and 5, north to concessions 6 and 7, chiefly gravelling through heavy clay flats for nearly a mile.

Again, on Cordova road, opened from Havelock to Season Mill, at lot 12, between concessions 2 and 3, Belmont, a length of six miles, four of which were covered with macadam, the municipality furnishing the stone crusher.

Other small amounts were spent upon Elizabeth Mine, Mine Centre, Manitou Portage, Copper Cliff and Murray Mine roads.

SUMMARY OF EXPENDITURE ON COLONIZATION AND MINING ROADS IN THE YEAR 1903.

Name of Work.	Departmental Expenditure.
NORTH DIVISION.	
Atwood and Curran Road	$999 50
Atikokan Bridge	10 00
Bruce Mines and Desert Lake, Road	478 48
Blind River Bridge	553 35
Bridge, Con. 1 and 2 Wainwright Bridge	909 19
Bridge Repairs at Lybster	208 79
Bridge Repairs, Silver Mountain	49 50
Bridge Repairs at Jaffray	133 00
Brushing Trails	77 50
Bridge at Whitefish	516 46
Cutler and Spanish Station Road	300 00
Chapleau Road	300 27
Conmee Township Road	829 14
Carpenter & Dobie Town Line Road	2,017 70
Carpenter, Lot 6 and 7 Road	618 84
Crozier, Devlin and Lash Road	2,072 88
Crozier and Lash	340 75
Crozier and Lash (bal.) Road	151 75
Coffin (bal.) Road	10 05
Devlin and Burris Road	1,854 04
Dorion Road	1,017 51
Echo River Bridge	227 51
Eton Township Road	739 40
Elizabeth Mine Mining Road	400 00
Fort Frances and Rainy River Road	354 42
Goldenbury and Day Mills Road and Bridge	502 83
Grand Portage Road	450 00
Howland Township Road	378 78
Hymer Road	1,060 46
Harrow Township Road	498 44
Isbester and Port Finlay Road	500 00
Inspection	3,743 82
Inspection (bal.)	77 50
Indian Point (bal.) Bridge	10 04
Jaffray Township Road	516 78
Korah Road	100 15
Korah (Additional) Road	300 52
Lybster Main Road	550 13
Lybster Hill Road	54 37
Lake Shore Road	504 39
Lacloche Bridge	90 00
May Township Road	72 35
Mississaga River Road	302 95
Mississaga Scow	140 00
McIntyre Township Road	1,043 78
McGregor Road	445 48
McIntyre River Bridge	102 46
Marks Road	556 62
McIntyre (Neebing and Oliver) Road	809 81
Manitowaning and Providence Bay Road	250 00
Michipicoten River Bridge	1,769 91
Morley Road	577 61
Morley and Ball Road	406 53
Mather and Tait Road	1,832 49
Mather and Dobie Town Line Road	550 00
Manitou Portage Mining Road	588 52
Mine Centre Bridge	30 00
Oliver Township Road	602 23
Otter Tail Lake Road Bridge	149 96
Peoples' (Korah and Pennefather) Road	$489 50
Pine River and Pattullo Road	2,015 74
Prince Township Roads	488 00
Paipoonge and O'Connor Road	605 05
Parkinson Road Bridge	450 00
Road, 8 and 9 Mather Road	450 00
Roddick, Crozier and Miscampbell Road	1,500 10
Rainy River Roads	1,019 71
Rainy River (bal.) Roads	17 84
NORTH DIVISION.—*Continued*	
Rainy River (near Fort Frances) Road	200 00
Road, 2 and 4 Paipoonge Road	1,021 68
Rainy River (Locating) Roads	62 50
Rydal Bank and Bruce Mines Mining Road	198 00
Scoble Township Road	313 80
Scoble Roads	460 71
Stanley Road	1,685 33
Sanford Township Road	302 46
Strange Township Road	513 20
Silver Water and Meldrum Bay Road	201 00
Shenstone and Tait Road	980 00
Salter Township Road	401 21
Sheguiandah and Manitowaning Road	296 94
Sheddon Township Road	495 69
St. Joseph Island Road	100 10
Thessalon River Bridge	424 37
Tehkummah Con. 2 Road	200 78
Tait and Shenstone (bal.) Road	129 96
Vanko ghnet Road	999 81
Van Horn Township Road	531 08
Wabigoon Bridge	338 96
Wainwright Road	520 99
Wainwright (bal.) Road	20 90
Wabigoon and Beaudreau's Landing Road	300 00
Winnipeg River Bridge	298 32
Wa Wa Mining Road	240 72
Worthington and Blue Road	1,574 98
Zealand Township Road	388 20
	55,536 27
Less refund—Rainy River	118 42 129 89
Less refund—Lash road	11 47
	55,406 38
WEST DIVISION.	
Aspdin Road	197 10
Bridge Repairs (Matchedash) Bridge	303 74
Big East River Bridge	97 50
Bear Lake Road	300 00
Bethune Town Line, Road	120 30
Baxter Roads	300 81
Bala Bridge	120 61
Commanda Bridge	350 00
Croft Road	200 00
Chaffey, 2 and 13 con. Road	202 69
Chaffey (Sand Lake) Road	203 25
Cardwell Roads	403 00
Draper Roads	400 72
Great North Road	301 00
Golden Valley & North Road	505 19
Huntsville Bridge	658 95
Indian Peninsula Road Bridge	594 16
Inspection	1,075 05
Kane's Corners Road	210 09
Lake Joseph Road	200 07
Lewisham Road	235 81
McMurrich Side Line Road	298 61
McConkey & Hardy Road	194 82
McDougall Road	296 23
Macdonald Bridge	1,000 00
Macaulay Road	300 21
Magnetawan Road	250 78
Mills Road	201 51
Main Road Burk's Falls	314 97
Mills and Hardy Road	20 77

SUMMARY OF EXPENDITURE ON ROADS—*Continued.*

Name of Work.	Departmental Expenditure.
WEST DIVISION.— *Concluded.*	
Muskoka Road	300 95
Muskoka (Washago West) Road	300 00
Muskoka (Orillia)	502 64
Muskosh Road	416 94
Morrison Road	199 95
Morrison Township Road	150 00
Monck Road	245 99
Northern Road Bridge	128 28
North Seguin River Bridge	328 77
Novar and Ilfracombe Road	399 98
Northeast Road	200 00
Northern Road	510 17
Nipissing (Christian Valley Road)	90 00
Orillia and Matchedash Town Line Road	200 13
Oakley (Wood Lake) Road	304 43
Oakley and Draper (bal.) Road	3 00
Perry 25 Side Line Road	200 45
Parry Sound Road	300 00
Portage Road	510 76
Pine Lake Road	249 76
Port Carling Road	83 50
Ryerson Road	399 82
Rosseau and Nipissing Road	299 37
Sand Lake Road	300 62
Strong, Con. 10 and 11 Road	300 37
Shawanaga Bridge	482 03
Stenhenson Road	410 75
South River Bridge	75 00
Watt and Cardwell Road	200 00
	18,210 60
EAST DIVISION.	
Alice Township Roads	414 38
Alice Con. 25 and 26 Roads	120 22
Alice, 7 con. Bridge	223 78
Appleby Road	301 25
Appleby and Jennings Road	527 18
Antoine Creek Bridge	310 60
Anstruther, Burleigh and Chandos Roads	$507 89
Ashdod and Springtown Roads	253 43
Abinger and Miller, T L Road	309 80
Admaston and D'Acre Road	251 21
Arden, Harlow & Kennebec Road	400 00
Airy Township Road	499 72
Amable du Fond Bridge	322 60
Buchanan Township Road	547 12
Badgerow & Gibbons Road	503 13
Bedford Station Road	200 44
Bridge in Lutterworth	100 26
Blezard and Hanmer Road	350 00
Back Communication Road	101 35
Bell's (Maynooth) Bridge	250 00
Bidal Road	200 00
Bastedo and Vazina Road	500 31
Brudenell, 16 Con., Road	311 00
Bonfield and North Bay Road	507 25
Buckhorn Road	501 03
Bonfield and Ferris Road	300 00
Bonfield Road	75 02
Burnt River Road	419 75
Burleigh Road	402 16
Blezard Road	303 75
Bridge on Monck Road	483 31
Brazeau Bridge	250 00
Brudenell and Killaloe Bridge	428 29
Bog Road	301 79
Boom Creek Bridge	101 25
Blue Sea Road	300 00
Bromley (bal.) Road	198 53
Bear Creek (bal.) Bridge	50 00
Barry (bal.) Road	10 00

Name of work.	Departmental Expenditure.
EAST DIVISION—*Continued.*	
Bonfield (bal.) Road	18 36
Calabogie Road	245 00
Caldwell, Con. 3 and 4, Road	99 76
Cardiff (Deer Lake) Road	299 78
Casimir and Jennings Road	501 64
Carlow, Mayo and Bancroft Road	200 00
Cosby Road	303 40
Capreol and Hanmer Road	404 63
Calvin Roads	485 30
Chisholm Township Roads	762 96
Chisholm Tp (Wasa Creek) Bridge	260 00
Cameron Township Roads	501 65
Cavendish Roads	504 00
Casimir and Martland Roads	1,213 67
Copper Cliff and Murray Mining Road	250 90
Cordova Mining Road	508 13
Cataford, Gibbons and Crerar Road	200 00
Dunnet, 3rd Con., Road	200 00
Dunnet (Corbell's) Road	99 75
Deer Creek (Chandos) Bridge	288 10
Deer Creek (Hugel) Bridge	298 47
Devil's Lake Road	199 99
Dalton Road	200 23
District Line (bal.) Road	20 00
Desert Lake Road	322 62
Dunnett and Casimir (bal.) Road	10 00
Denbigh and Eagle Hill Road	205 56
Eighth Line, Smith Road	70 00
Eldon 3rd Quarter Line Road	245 50
Ferry Road	164 65
Foymount and Brudenell Road	200 00
Field Road	299 63
Ferris Township Road	919 55
Fourth Con. Hagarty Road	250 00
Ferris Township Drain	300 00
Field, 5th and 6th con., Roads	299 63
French River Valley (bal.) Road	47 56
Grattan and D'Acre Road	280 00
Gibbons Township Road	300 02
Garson Township Road	250 00
Grant Township Road	301 94
Galway Roads	505 90
Guerin Roads	509 98
Hagarty Township Roads	388 20
Hagarty 5th Con. Road	303 80
Hugel and Badgerow Road	504 58
Head Township Road	200 00
Hugel, Con. 3, Road	299 87
Hurtubise Road	214 30
High Falls Road	152 04
Hagarty (bal.) Road	20 10
Inspection	3,684 45
Inspection (bal.)	562 80
Jones Falls and Battersea Road	303 11
Jennings, Cherriman and Martland Road and Bridge	200 00
Jodoin Bridge	104 00
Kirkpatrick and McPherson Road	303 80
Kirkpatrick Township Road	299 91
Loudon and McPherson Road	300 13
Lachapelle and Bonfield	480 00
Lutterworth, Snowdon and Minden Road	400 00
Lindsay Road	67 50
Lake Desert Road	295 47
Loughboro' and Wilmer Road	430 00
Lavant and Darling Road	280 00
Lavant and Snow Road	422 80
Lavant Boundary Road	100 00
Lavant Station Road	101 80
Lilly Lake (bal.) Road	20 00
Mud Creek Bridge	355 05
Martland and Cosby Road	90 00
McArthur's Bridge	250 00

SUMMARY OF EXPENDITURE ON ROADS—*Concluded.*

Name of work.	Departmental Expenditure.
EAST DIVISION. —*Continued.*	
Massanoga Lake Road	230 00
Maley Road	125 20
Monmouth Township Road	300 00
Maxwell Bridge	442 03
Methuen Road	301 48
Martland Township Road	203 40
Monette Road	200 00
Mud Lake (bal.) Road	27 70
North Harvey Road	493 07
North Burleigh Road	53 38
Nipissing Junction Road	200 45
Opeongo Road	250 00
Oso and Bedford Road	408 50
Palmerston and S. Canonto Road	204 25
Perth Road	259 37
Portland and Railton Road	250 00
Papineau Township Roads	803 02
Paugh Lake Road	$280 00
Pembroke and Mattawa Road	491 50
Rolph, Buchanan and Wylie Road	398 00
Round Lake (Belmont)	430 87
Round Lake (Brudenell) Road	200 69
Ross Township Road	438 50
Silver Lake Road	533 62
Sudbury and Richards Lake Road	320 70
Springer Road	405 72
Springer and Lafrance Road	100 00
Sturgeon River Road	403 41
Sauer Road	230 00
S. Algona and Eganville Road	175 00
S. Algona, 8 and 14 Con. Road	175 00
S. Algona lot 15 and 16 Road	240 45
S. Algona (bal.) Roads	46 08
Sandy Point (bal.) Roads	13 25
Sheffield Township Road	300 00
Stanhope Roads	300 04
Springer and Sturgeon Falls Road	304 00
Stony Lake Bridge	98 12
Scow at Griffiths	143 84
Thirteen Island Road	302 38
EAST DIVISION.—*Concluded.*	
Tamworth and Parham Road	300 00
Trout Lake Road	250 00
Victoria Head Bridge	100 13
Verner North Road	201 54
Verner South Road	299 98
Wilberforce, 6 Con. Road	200 00
Wilberforce, T. L. Road	150 45
Warren and Hugel Road	299 35
Warren North Road	300 36
Wasa Bridge	70 00
Widdefield Roads	304 88
Wilno Station Road	254 50
Wisawasa Road	405 02
Westport and Perth Road and Bridge	400 95
Warren Bridge	521 97
Wylie Township Roads	300 43
	$51,770 87
Less refund Ross Tp. Rd. $23 25	
Less refund Deer Lake Rd. 20 00	
Less refund Sparks Ck Br. 7 75	51 00
	$51,719 87
Temiskaming Roads	$31,489 07
Temiskaming (bal.) Roads	2,457 75
	$33,946 81
Less refunds	25 23
	$33,921 59

Recapitulation.

North Division	$55,406 38
West Division	18,210 60
East Division	51,719 87
Temiskaming District	33,921 59
Departmental Expenditure	$159,258 44

Municipal and other Grants.

Shuniah Township to McIntyre Township Road	$750 00
Smith Township to Eighth Con. Line	100 00
Smith Township to Back Communication Road	100 00
Chandos Township to Deer Creek Bridge	25 00
Peterboro' Township to Deer Creek Bridge	75 00
	$1,050 00

HENRY SMITH,
Superintendent Colonization Roads.

DEPARTMENT PUBLIC WORKS,
TORONTO, Dec. 31st, 1903.

STATEMENTS

OF THE

ACCOUNTANT

AND

LAW CLERK.

Department of Public Works, Ontario,
Toronto, January, 1904.

Hon. F. R. Latchford,
Commissioner of Public Works, Ontario.

Sir,—I have the honor to submit the following statements of maintenance and capital expenditure on public buildings, works, roads, aid to railways, etc., and of contracts entered into in connection therewith, being: (1) the expenditure on Maintenance and Repairs account for Government and Departmental Buildings, Institutions, and Works for the year 1903; (2) the capital expenditure for public buildings, works, roads, railways, etc., for the year 1903; (3) the total capital expenditure on public buildings, public works, colonization and mining roads, aid to railways, etc., from the 1st July, 1867, to 31st December, 1903; (4) a classified statement showing (a) the expenditure for four years and six months, from 1st July, 1867, to 31st December, 1871; (b) the expenditure for thirty-two years from 1st January, 1872, to 31st December, 1903; and (c) the grand total of expenditure from 1st July, 1867, to 31st December, 1903; and (5) a statement showing the several contracts and bonds entered into with His Majesty during the year 1903 for the execution of sundry works under the control of the Department.

I have the honor to remain, Sir,

Your obedient servant,

J. P. EDWARDS,
Accountant and Law Clerk.

STATEMENT No. 1.

Being Statement of Expenditure, on Maintenance Account, for fuel, electric light and power, gas, water, vault fittings, furniture and furnishings, repairs, salaries, etc., for the following Departmental Buildings, Institutions and Works, during 1903.

Name of Service.	Amount.
Administration of Justice:—	
Osgoode Hall, Toronto	$9,272 63
Education:—	
Normal and Model Schools, and Educational Department, Toronto	8,632 36
Normal and Model Schools Buildings, Ottawa	8,594 03
Normal School Buildings, London	3,053 33
School of Practical Science, Toronto	6,163 46
Agriculture:—	
Ontario Agricultural College and Experimental Farm	16,761 94
Maintenance and Repairs of Government Buildings:—	
Parliament and Departmental Buildings (including salaries of engineers, firemen, messengers, etc.) and Old Parliament Buildings	37,592 54
Parliament and Departmental Buildings, exclusive of Departments (furniture and furnishings only)	3,159 05
Government House	15,577 01
Attorney-General's Department	621 90
Crown Lands Department	3,246 14
Public Works Department	827 19
Treasury Department	819 41
Provincial Secretary's Department	826 02
Agricultural Department	943 45
Superintendent Locks, Dams, Bridges, etc., (salary)	1,200 00
Lockmasters', bridgetenders' and caretakers' salaries	3,701 25
Totals	$120,991 71

DEPARTMENT OF PUBLIC WORKS,
TORONTO, January, 1904.

J. P. EDWARDS,
Accountant.

STATEMENT No. 2.

Being Statement of Expenditure, Capital Account, on Public Buildings and Works, etc., for the year 1903. (See also Statement No. 3.)

Name of Work.	Under the Dept. Pub. Works.	Under the Inspectors, etc.	Total for 1903.
PUBLIC BUILDINGS.	$ c.	$ c.	$ c.
New Parliament Building—construction account	1,387 54		
New Parliament Building—equipment, etc	470 20		1,857 74
Asylum for the Insane, Toronto	959 42	2,838 41	3,797 83
Asylum for the Insane, Mimico	9,062 22	2,707 47	11,769 69
Asylum for the Insane, London	27,759 75	8,463 61	36,223 36
Asylum for the Insane, Hamilton	18,873 57	2,191 55	21,065 12
Asylum for the Insane, Kingston	10,206 05	2,447 60	12,653 65
Asylum for the Insane, Brockville	1,426 15	2,600 82	4,026 97
Asylum for the Insane, Cobourg	265 74	36 15	301 89
Asylum for Idiots, Orillia	2,002 80	10,879 75	12,882 55
Hospital for Epileptics, Oxford	7,570 60		7,570 60
Central Prison, Toronto		2,697 50	2,697 50
Reformatory for Boys, Penetanguishene		2,100 00	2,100 00
Reformatory for Females, Toronto	2,491 50	4,779 57	7,271 07
Institution for the Deaf and Dumb, Belleville	2,109 86	2,233 35	4,343 21
Institution for the Blind, Brantford	50	2,747 73	2,752 23
Educational Buildings and Normal and Model Schools, Toronto	35,839 70		35,839 70
Normal and Model School, Ottawa	1,239 01		1,239 01
Normal School, London	2,445 05		2,445 05
School of Practical Science, Toronto, Equipment	327 70		
School of Practical Science, New Buildings	113,852 98		118,880 68
Normal College, Hamilton—furnishing Domestic Science department	854 25		854 25
Agricultural College, Guelph	16,117 14	24,766 35	40,883 49
Eastern Dairy School, Kingston	133 65		133 65
Osgoode Hall, Toronto	308 31		308 31
Algoma District.			
Court House, etc., Sault Ste. Marie	113 75		
Lock-up, Gore Bay, Manitoulin Island	26 80		
Lock-up, Little Current, Manitoulin Island	522 56		
Lock-up, Blind River,	234 07		
Lock-up, Chapleau	48 20		
Lock-up, Wawa	935 73		
Lock-up, Cutler	855 15		2,736 32
Thunder Bay District.			
Gaol and Court House, Port Arthur	461 00		
Lock-up, Nipegon	1,169 23		1,630 23
Muskoka District.			
Court House and Gaol, and Registry Office, Bracebridge	697 20		697 20
Parry Sound District.			
Court House, etc., Parry Sound	2,642 68		2,642 68
Nipissing District.			
Lock-up, etc., Mattawa	1,052 67		
Lock-up, Court House and Registry Office, North Bay	185 87		
Lock-up, Sudbury	55 50		
Lock-up, Bonfield	614 71		1,908 75

STATEMENT No. 2.---Concluded.

Name of Work.	Under the Dept. Pub. works.	Under the Inspector, etc.	Total for 1903.
	$ c.	$ c.	$ c.
Rainy River District.			
Court House, etc., Rat Portage	900 94		
Registry Office, Fort Francis	1,789 85		
Lock-up, Emo	1,587 39		
Lock-up, Atikokan	789 81		
Lock-up, Beaver Mills	1,840 71		6,908 70
PUBLIC WORKS.			
Madawaska River Works—to construct Bridge at Combermere	2,624 01		2,624 01
Steel Bridge at Outlet, Lake of the Woods	9,064 24		9,064 24
Muskoka Lakes Works (at Port Carling)	3,354 59		3,354 59
Scugog River Works, New Swing Bridge, Lindsay	1,640 56		1,640 56
Magnetawan River Works, Swing Bridge Township of Ryerson	4,216 62		4,216 62
Eagle Lake Works—to construct dam at outlet	1,173 84		1,173 84
Manitou Lake Works -to construct dam at outlet	1,273 55		2,273 55
Jean Baptiste River—to construct brdiges over		2,850 00	2,850 00
Wabis Creek Bridge—to construct		1,760 08	1,760 08
Rainy River Bridges		2,068 83	2,068 83
Stanley Bridge (Thunder Bay)	3,275 52		3,275 52
Indian River Works—Deepening of (Tps. of Sarawak and Keppell)	319 40		319 40
Black River—Dredging	2,136 10		2,136 10
Drainage Works.			
Outlet Drain, Eastnor Township			
Petite Castor River and Anabel Creek Works	2,480 00		2,480 00
Becquith Creek Drain, Tps. Cumberland and Clarence	5,000 00		5,000 00
Kenyon, Charlottenburg, Cornwall and Roxborough Townships	1,000 00		1,000 00
Monklands Drainage Scheme — Roxborough Township	700 00		700 00
Lalonde Drainage Works, Tps. of Roxborough and Finch	1,200 00		1,200 00
Big Creek Drainage, Tps. of West and North Tilbury	900 00		900 00
Southampton Dock, Saugeen River	3,800 00		3,800 00
Rainy River Docks to complete	989 04		989 04
Blind River Bridge		638 44	638 44
Muskrat River Docks—to remove obstructions	402 12	1,368 20	1,770 32
White Fish River—to remove obstructions	968 22		968 22
Black River Bridge—to rebuild	249 15		249 15
Casimer Creek—to remove obstructions		500 00	500 00
Buck Lake Bridge—to rebuild		175 00	175 00
Frontenac Bridges destroyed by fire to rebuild at Clyde River, Mud Lake and Concession 1, Clarendon		305 06	305 06
Kinmount Bridge	3,288 06		3,288 06
Gannons Narrows Bridge	1,500 00		1,500 00
Maintenance and Repairs—locks, dams and bridges	1,000 00		1,000 00
Survey and Inspections—arbitrations and awards	8,929 71		8,927 71
Colonization and Mining Roads	761 90		761 90
Aid to Railways—(cash expended)		159,258 44	159,258 44
	114,607 32		114,607 32
Totals	$454,785 52	$240,413 91	$695,199 43

DEPARTMENT OF PUBLIC WORKS, ONTARIO,
TORONTO, January, 1904.

J. P. EDWARDS,

STATEMENT No. 3.

Being a Statement on Capital Account for Public Buildings, Public Works, Colonization and Mining Roads, Aid to Railways, etc., as follows: (1) The total of expenditure for four years and six months from the 1st of July, 1867, to the 31st of December, 1871; (2) The total of expenditure for 31 years from the 1st of January, 1872, to the 31st of December, 1902, (3) The total expenditure for the year 1903, and (4) The grand total of expenditure from the 1st of July, 1866, to the 31st December, 1903.

Name of Work.	Expenditure 1st July, 1867, to 31st December, 1871.	Expenditure 1st Jan., 1872, to 31st December, 1902.	Expenditure, 1903.	Total expenditure to 31st December, 1903.
	$ c.	$ c.	$ c.	$ c.
Government House	105,337 77	78,523 09		183,860 86
Old Parliament and Departmental Buildings	52,330 78	32,955 20		85,285 98
New Parliament and ental Buildings (construction account)		1,274,300 75	1,387 54	1,275,688 29
New Parliament and Departmental Buildings (equipment, grounds, roads, plant-house, etc)		228,694 37	470 20	229,164 57
Asylum for Insane, Toronto	173,014 71	204,940 13	3,797 83	381,752 67
Asylum for Insane, Mimico		611,811 53	11,769 69	623,581 22
Asylum for Insane, Brockville		486,063 66	4,026 97	490,090 63
Asylum for Insane, London	311,002 82	663,282 09	36,223 36	1,010,508 27
Asylum for Insane, Hamilton		900,038 98	21,065 12	921,104 10
Asylum for Insane, Kingston		469,258 29	12,653 65	481,911 94
Asylum for Insane, Kingston (Branch)		9,422 82		9,422 82
Asylum for Idiots, Orillia		546,357 53	12,882 55	559,240 08
Asylum for Insane, Cobourg		115,890 06	301 8	116,191 95
Hospital for Epileptics, Oxford		96 00	7,570 60	7,666 60
Institution for Deaf and Dumb, Belleville	90,215 11	238,541 72	4,343 21	333,100 04
Institution for Blind, Brantford	69,518 75	209,883 71	2,752 23	281,954 69
Reformatory for Boys, Penetanguishene	12,080 74	177,331 26	2,100 00	191,512 00
Andrew Mercer Reformatory for Females, Toronto		238,684 90	7,271 07	245,955 27
Agricultural College, Guelph		547,650 38	40,883 49	588,533 87
Central Prison, Toronto	10,925 96	890,588 57	2,697 50	904,212 03
School of Practical Science—(College of Technology)	38,509 34	20,690 92		59,100 26
" Queen's Park		247,507 86	5,027 70	252,535 56
" New Chemical and Mining Building, and Milling Building		26,305 64	113,852 98	140,158 62
Osgoode Hall, Toronto		147,754 54	308 31	148,062 85
Agricultural Hall, Toronto		324 00		324 00
Educational Department and Normal and Model Schools, Toronto	13,613 50	164,978 72	35,839 70	214,431 92
Normal and Model Schools, Ottawa		223,676 86	1,239 01	224,915 87
Normal School, London		98,263 18	2,445 05	100,708 23
Normal College, Hamilton, equipment Domestic Science room			854 25	854 25
Dairy School, Strathroy		14,583 71		14,583 71
Dairy School, Kingston		7,987 11	133 65	8,120 76
School of Mining, Kingston		4,070 00		4,070 00
Government Farm, Mimico	47,350 00	4,296 34		51,646 34
Pioneer Dairy Farm, Algoma		5,178 43		5,178 43
Brock's Monument, Queenstown Heights		4,605 31		4,605 31
Niagara River fence		8,025 43		8,025 43
Algoma District:				
Court house, gaol and registry office, etc., Sault Ste. Marie	2,469 52	21,655 33	113 75	24,238 60
Grand Manitoulin Island, three lock-ups (Gore Bay, Little Current & Manitowaning		21,671 43	549 42	22,220 85
Lock-up at Killarney		1,292 97		1,292 97
Lock-up at Bruce Mines		3,117 48		3,117 48
Lock-up at Webbwood		1,634 24		1,634 24
Lock-up at Thessalon		2,221 99		2,221 99
Lock-up at Massie		702 74		702 74
Lock-up at Blind River		808 80	234 07	1,042 87
Lock-up at Chapleau		1,038 36	48 20	1,086 56
Lock-up at Wawa		394 43	935 73	1,330 16
Lock-up at Cutler			855 15	855 15
Thunder Bay District:				
Registry office and lock-up, addition to court house, etc., Port Arthur	1,994 85	36,838 72	461 00	39,294 57
Lock-up at Fort William		9,281 40		9,281 40
Lock-up at Silver Islet, Lake Superior		2,304 79		2,304 79
Lock-up at Nipegon			1,169 23	1,169 23

STATEMENT No. 3.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st December, 1871.	Expenditure 1st Jan., 1872, to 31st December, 1902.	Expenditure, 1903.	Total expenditure to 31st December, 1902.
	$ c.	$ c.	$ c.	$ c.
Muskoka District:				
Immigration sheds at Gravenhurst		355 00		355 00
Registry office and lock-up at Bracebridge		28,921 76	697 30	29,618 96
Lock-up and court room at Huntsville		8,364 85		8,364 85
Lock-up and court room at Bayside		300 00		300 00
Parry Sound District:				
Registry office, lock-up, court room, etc., Parry Sound	1,715 20	22,015 38	2,642 68	26,373 26
Lock-up at Magnetawan		645 56		645 56
Lock-up and court room at Burk's Falls		6,432 83		6,432 83
Lock-up at French River		1,194 12		1,194 12
Lock-up at Dunchurch		609 00		609 00
Lock-up at Emsdale		300 00		300 00
Lock-up at Byng Inlet		1,232 35		1,232 35
Nipissing District:				14,754 75
Lock-up at Mattawa		13,702 08	1,052 67	
Lock-up, court house and registry office at North Bay		27,696 70	185 87	27,882 57
Lock-up at Sudbury		12,082 58	55 50	12,138 08
Lock-up at Sturgeon Falls		1,730 34		1,730 34
Lock-up at Liskeard (now Thornloe)		657 00		657 00
Lock-up at Warren		600 00		600 00
Lock-up at Bonfield			614 71	614 71
Rainy River District:				
Lock-up, court room and gaoler's residence, new registry office, etc., Rat Portage		34,494 64	900 94	35,395 58
Lock-up at Fort Francis		2,876 41	1,789 85	4,666 26
Lock-up at Mines Centre		783 78		783 78
Lock-up at Emo		301 55	1,587 39	1,888 94
Lock-up at Atikokan		776 50	789 81	1,566 31
Lock-up at Beaver Mills			1,840 71	1,840 71
County of Haliburton: Registry office, Minden		5,918 42		5,918 42
Young's Point Lock	30,035 07	1,157 65		31,192 72
Balsam and Cameron Lakes locks	15,715 20	8,243 82		23,959 02
Mary's and Fairy Lakes locks and works, bridge over Muskoka River at Huntsville		79,844 12		79,844 12
Magnetawan works: Lock, swing bridge, dam and river improvements and dam and slide at Deer Lake, and swing bridge, Township of Ryerson		65,742 93	4,216 62	69,959 55
High Falls, Pigeon River: Slide, dam, etc. (C.L.D.)		9,706 07		9,706 07
Georgian Bay works		7,149 97		7,149 97
Landing pier at Port Elgin		2,750 00		2,750 00
Landing pier at Southampton		2,022 63		2,022 63
Docks at Southampton, Saugeen River		750 00	989 04	1,739 04
Docks on the Rainy River		2,450 00	638 44	3,088 44
Docks (landing) at Beaudraults, Wabigoon		777 95		777 95
Muskoka Lakes works		21,915 30		21,915 30
Muskoka Lakes works, locks, bridges and dredging at Port Carling	34,542 54	19,262 48	3,354 59	57,759 61
Muskoka Lakes works, cut and bridges at Port Sandfield	9,761 80	7,081 06		16,842 86
Muskoka Lakes works, Muskoss Falls works, and bridges at Bala		8,579 37		8,579 37
Muskoka Lakes works, Joseph River works (less contribution)		486 87		486 87
Nipissing Lake works		9,182 17		9,182 17
Couchiching Lake works		427 82		427 82
Mud Lake works (Township of Dalton)		1,502 32		1,502 32
Kushog Lake dam		300 00		300 00
Mississicua Lake dam		4,989 84		4,989 84
Star Lake works		412 22		412 22
Manitou Lake works; Dam at outlet, etc., Rainy River District		520 59	2,273 55	2,794 14
Inkerman dam, removal of (County of Dundas)		1,000 00		1,000 09

STATEMENT No. 3.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st December, 1871.	Expenditure 1st Jan., 1872, to 31st December, 1902.	Expenditure 1903.	Total expenditure to 31st December, 1903.
	$ c.	$ c.	$ c.	$ c.
Bottle Lake dam and Mississicua Creek dam		4,068 72		4,068 72
Shoal Lake and Lake of the Woods improvements, Ash Rapids		5,998 25		5,998 25
Mill Creek improvements (County of Prescott)		1,000 00		1,000 00
Lake of Bays, dredging the mouth of the river at outlet		581 82		581 82
Peninsula Creek improvements, bridge, etc.		34,993 02		34,993 02
Stoney Creek works (Township of Ops)		4,828 25		4,828 25
Union Creek improvements		1,050 63		1,050 63
Bear Creek works—dam and slide		1,617 52		1,617 52
Scugog Lake works—dredging at Port Perry		977 53		977 53
Lake Scugog flats road		1,500 00		1,500 00
Cobbs Lake outlet		1,102 08		1,102 08
Gull and Burnt River works—dams, slides, bridges, etc		100,716 60		100,716 60
Muskoka River works		42,670 53		42,670 53
Muskoka River bridge at South Falls		1,000 00		1,000 00
Muskoka River bridge at Port Sydney		1,000 00		1,000 00
Sydenham River works	374 76	1,781 50		2,156 26
Nottawassaga River works	1,708 82	4,206 27		5,915 09
Nottawasaga River works	197 10	22,667 92		22,865 02
Scugog River works (including Lindsay lock and swing bridges)	27,760 35	68,496 48	1,640 56	97,897 39
Pigeon River works (Co. of Victoria)	1,527 40	3,472 22		4,999 62
Otonabee River works		9,162 91		9,162 91
Balsam River works		16,585 11		16,585 11
Wye River works		5,176 98		5,176 98
Squaw River works		1,688 16		1,688 16
Moose River works (Co. of Stormont)		1,000 00		1,000 00
Black River works (Lake Simcoe)		1,000 00	2,136 10	3,136 10
Jean Baptiste River, to construction of bridge over			2,850 00	2,850 00
Mattawa River works, re bridge		500 00		500 00
Wabis River works, Dymond and Harris & Kearns		1,340 51		1,340 51
Wabis Creek, to construct bridge over			1,760 08	1,760 08
Squaw River works, dam at Harvey		581 56		581 56
Indian River works, deepening—townships Sarawak and Keppell		110 26	319 40	429 66
White Fish River, to remove obstructions			249 15	249 15
Casimer Creek, to remove obstructions			175 00	175 00
McKenzie Creek improvements		200 35		200 35
Snake River improvements		140 65		140 65
Madawaska River—swing bridge at Combermere, bridge at Burnstown and bridge Township of Raglan		8,292 92	2,624 01	10,916 93
Nation River Works		13,877 23		13,877 23
Nation River Bridge		2,000 00		2,000 00
Nation River Contribution		4,000 00		4,000 00
Petawawa River Bridge		3,879 25		3,879 25
Sturgeon River Bridge (Tp. of Field)		3,616 08		3,616 08
To Construct Steel bridge at outlet Lake of the Woods			9,064 24	9,064 24
Rainy River Road Bridges			2,068 83	2,068 83
Stanley Bridge Thunder Bay			3,275 52	3,275 52
Blind River Bridge			1,770 32	1,770 32
Buck Lake Bridge—to rebuild			305 06	305 06
Black River bridge, to rebuild			500 00	500 00
To rebuild bridges in Frontenac, destroyed by recent fires, Clyde River, Mud Lake and Concession 1st, Clarendon			3,288 06	3,288 06
Kinmount bridge			1,500 00	1,500 00
Gannon's Narrows bridge (conditional on local or other grant to complete)			1,000 00	1,000 00
Chemong Lake bridge		3,500 00		3,500 00
Beaudette River (to aid in dredging, etc.)		3,000 00		3,000 00
Mississippi River improvements (below Carleton Place)		4,730 71		4,730 71
Head River improvements (Tp. Laxton & Carden)		976 82		976 82
Moira River improvements (Tp. of Thurlow)		2,135 32		2,135 32
Muskrat River improvements		893 76	968 22	1,861 98

STATEMENT No. 3.—Continued.

Name of Work.	Expenditure 1st July, 1867, to 31st December, 1871.	Expenditure 1st Jan., 1872 to 31st December, 1902.	Expenditure 1903.	Total expenditure to 31st December, 1903.
	$ c.	$ c.	$ c.	$ c.
Payne River works		4,000 00		4,000 00
Otonabee River bridge		2,500 00		2,500 00
Trent River works		2,000 00		2,000 00
Bridge, Tp. of Cambridge		1,000 00		1,000 00
Indian Point Bridge (Manitou Island)		2,596 61		2,596 61
Mississigua River bridge, repairs		4,355 94		4,355 94
Stoney Creek bridge, Ryerson		831 68		831 68
Damages by raising waters, near Rat Portage		800 00		800 00
Washago and Gravenhurst road	25,188 69	7,603 43		32,792 12
Washago wharf		489 22		489 22
Portage du Fort bridges, Ottawa River		10,747 99		10,747 99
Des Joachims rapids, bridges and approaches		9,937 72		9,937 72
Surveys, inspections, arbitrations and awards, etc	1,137 34	49,573 68	761 90	51,472 92
Deer Lake works, dam and slide (Township Anstruther)		1,420 17		1,420 17
Nogies Creek works		1,662 72		1,662 72
Cashmere dam (obstructions) Middlesex		1,144 19		1,144 19
Eagle Lake works, to construct dam at outlet			1,173 84	1,173 84
Bass Lake dam, Tp. Galway, Peterboro'		1,000 00		1,000 00
To remove obstructions from navigable streams		513 02		513 02
Bonnechere River works		338 50		338 50
Talbot River works		600 95		600 95
Repairs and maintenance of locks, dams, slides, bridges, etc		174,961 83	8,929 71	183,891 54
Tilbury East—Outlet drain		3,020 00		3,020 00
Cornwall Township—Beaver Creek drain		750 00		750 00
Pelee Island drainage, 63 Victoria, Chap. VIII		1,500 00		1,500 00
Miscellaneous—Drainage		27 00		27 00
Drainage works (Tp. of Elma)		4,000 00		4,000 00
Big Creek drain (Tps. of West and North Tilbury		4,567 30	3,800 00	8,367 30
Outlet drain, Eastnor Tp			2,480 00	2,480 00
Petite, Castor River and Anabel Creek drainage works			5,000 00	5,000 00
Becquith Creek drain, Cumberland and Clarence Tps			1,000 00	1,000 00
Kenyon, Charlottenburg, Cornwall and Roxborough Tps			700 00	700 00
Monklands drainage scheme, Roxborough Tp			1,200 00	1,200 00
Lalonde drainage works			900 00	900 00
Surveys and drainage of swamp lands (Prov. acct.)	25,489 17	11,111 34		36,600 51
Aldborough drainage works		7,199 02		
Brooke drainage works	15,218 95	19,528 78		
Delaware drainage works		5,740 93		
Dunwich drainage works	6,339 30	3,766 56		
Ekfrid, Caradoc and Metcalfe drainage works	11,308 75	2,358 91		
Grey drainage works	6,127 55	2,047 92		
Moore drainage works	194 80	16,896 78		
Mosa drainage works	9,075 41	3,709 34		
Nissouri West drainage works		8,178 50		
Raleigh drainage works	25,191 15	12,818 49		329,980 93
Russell drainage works		11,543 77		
Sarnia drainage works		40,540 55		
Sombra drainage works		53,169 04		
Tilbury East drainage works	17,757 50	17,540 12		
Tilbury West drainage works		31,577 06		
Williams East drainage works		2,221 75		
Roads, Township of Ryerson	1,409 04	5,886 02		7,295 06
Clearing and log-houses on free grant lands (Settlers' Homestead Fund)	3,682 03	13,098 72		16,780 75
Colonization and mining roads	189,595 91	3,534,989 35	159,258 44	3,883,843 70
Aid to railways		7,223,228 23	114,607 32	7,337,835 55
Temiskaming railway surveys		24,823 58		24,823 58

STATEMENT No. 3.—Concluded.

Name of Work.	Expenditure 1st July, 1867, to 31st December, 1871.	Expenditure 1st Jan., 1872 to 31st December, 1902.	Expenditure 1903.	Total expenditure to December, 1903.
	$ c.	$ c.	$ c.	$ c.
NOTE: —				
Certificates issued to railways $9,528,474 85				
Cash paid direct to railways..... 1,782,942 42				
Aid granted to 2,394,696 miles $11,311,417 27				
Certificates outstanding 3,973,581 72				
Actual cash expended to 31st December, 1903 ..... $7,337,835 55				
Totals	1,389,147 67	21,170,310 73	695,199 43	23,254,657 83

DEPARTMENT OF PUBLIC WORKS, ONTARIO,
TORONTO, January, 1904.

J. P. EDWARDS,
Accountant.

STATEMENT No 4.

Being classified Statement shewing the expenditure on Capital Account for Public Buildings, Public Works, Roads, Railways, etc.: (1) The total expenditure for 4 years and 6 months, from the 1st of July, 1867, to the 31st of December, 1871, (2) The total expenditure for 32 years, from the 1st of January, 1872, to the 31st of December, 1903, and (3) the grand total of expenditure from the 1st of July, 1867, to the 31st December, 1903.

Name of Work.	Expenditure 1st July, 1867, to 31st December, 1871.	Expenditure 1st July, 1872, to 31st December, 1903.	Total expenditure to 31st December, 1903.
	$ c.	$ c.	$ c.
1. Asylums for the Insane, etc., at Toronto, Mimico, London, Hamilton, Kingston, Brockville, Orillia, Cobourg and Oxford....	484,017 53	4,117,356 75	4,601,374 28
2. Penal Institutions, viz.:—Reformatory for Females, Reformatories for Boys, and Central Prison	23,006 70	1,318,768 60	1,341,775 30
3. Educational Institutions, viz.: Institutions for Deaf and Dumb, Institutions for Blind, School of Practical Science, Normal and Model Schools, Toronto, Ottawa and London	211,656 70	1,400,172 74	1,611,829 44
4. Agricultural Institutions, viz.: Agricultural College, Guelph, Dairy Schools, Kingston and Strathroy, Dairy Farms, Mimico and Algoma	47,350 00	621,037 11	668,387 11
5. Buildings for Administration of Justice being Osgoode Hall, and Court Rooms, Lock-ups, etc., in the Districts of Algoma, Thunder Bay, Muskoka, Parry Sound, Nipissing, Rainy River, etc	6,179 57	39,185 26	445,364 83
6. Parliament and Departmental Buildings, and Government House	157,668 55	1,616,331 15	1,773,999 70
7. Works for the Improvement of Navigation, such as locks, dams, slides, etc	122,760 37	868,376 82	991,137 19
8. Works for the improvement of Transportation, such as bridges, piers, roads, etc.....	26,597 73	120,824 31	147,422 04
9. Drainage Works expenditures and advances to Municipalities	116,632 58	280,466 04	397,098 62
10. Miscellaneous expenditures, viz.: Brock's Monument, Niagara River Fence and clearing of log houses, Township of Ryerson	3,682 03	26,084 46	29,766 49
11. Colonization and Mining Roads	189,595 91	3,694,247 79	3,883,843 70
12. Aid to Railways (actual cash expended)	.....	7,337,835 55	7,337,835 55
13. Temiskaming Railway Survey	.....	24,823 58	24,823 58
Grand Total	1,389,147 67	21,865,510 16	23,254,657 83

J. P. EDWARDS,
Accountant.

DEPARTMENT OF PUBLIC WORKS, ONTARIO,
TORONTO, January, 1904.

STATEMENT No. 5.

Statement of Contracts and Bonds, etc., entered into with His Majesty in 1903.

Date.	Service.	Subject of contract.	Contractor.	Sureties.	Description of Contract.	Amount.
						$ c.
Mar. 24	Magnetawan River works.	Supply of hemlock timber required in the construction of approaches and sub-structure of swing bridge, Township of Ryerson.	William McLachlan, of the Village of Magnetawan.	None	Per thousand feet board measure.	13 00
May 23	School of Practical Science, Toronto.	Erection of a new milling building.	Henry Martin and Willi'm Henry Martin (Henry Martin & Son) of Toronto.	John Robertson Lyon and Frederick Holmes, both of the City of Toronto.		17,720 00
May 23	Normal School Building, Toronto.	Additions and alterations to	Henry Martin and William Henry Martin (Henry Martin & Son) of Toronto.	John Robertson Lyon and Frederick Holmes, both of the City of Toronto.		30,558 00
May 29	Normal and Model Schools, Ottawa.	Supply of 300 tons (more or less) of Standard Lackawana or Scranton small egg hard coal.	Cassius C. Ray of Ottawa	Charles E. Russell and John Mulhall, both of the City of Ottawa	Per ton	6 50
May 29	Departmental Buildings and Institutions, Toronto.	Supply of Straitsville soft coal and pine slabs for season 1903-4.	James H. Milnes and Company of Toronto.	James McKittrick and Giles, S. Ransom of Toronto.	Straitsville soft coal, per ton Pine slabs, per cord	6 15 3 90
May 29	Departmental Buildings and nstitutions, Toronto.	Supply of hard coal, hard wood and pine wood for season 1903-4.	William McGill and Company, Toronto.	John Colgan and Edward Reeves, of Toronto.	Grate coal, per ton Egg, stove and nut coal, per ton Pea coal, per ton Hard wood, per cord Pine wood, per cord	6 00 6 20 5 30 6 75 5 25

May 29...	Normal School, London.	Supply of coal and wood for season of 1903-4.	Chantler Brothers of London.	J. H. Saunders and J H. Sage of London.	Standard Lackawana or Scranton small egg hard coal, per ton ...	6 50
					Pine slabe, per cord ...	5 50
May 30 ..	Normal and Model Schools, Ottawa.	Supply of hard wood and pine slabs for season 1903-4.	John Heney of Ottawa.	James Barrett and Theo. W. Germain of Ottawa.	Hard wood, per cord ...	5 75
					Pine slabs, per cord .	2 75
June 22 .	Magnetawan River works.	Supply of hemlock and oak timber for superstructure, swing bridge, cons. 8 and 9, Township of Ryerson.	William McLachlan of the Village of Magnetawan.	None . .	Hemlock timber in lengths up to 20 ft., per M.B.M.	13 00
					Hemlock timber in lengths over 22 and up to 34 ft., per M.B.M. .	15 00
					Oak timber, per M.B.M .	25 00
July 3....	Roads in District of Temiskaming.	Clearing and close-grubbing and cross-laying of certain roads in all 20 miles (more or less).	James E. Decou, of the Village of New Liskeard.	Henry McQueen of the City of Hamilton and A. R. Decou, of the Town of Simcoe.	Clearing and close-grubbing, per mile	400 00
					Cross-laying, per lineal rod	1 00
July 7 ..	Government House, Toronto.	Painting interior, etc	The Elliott and Son Company, Ltd., of Toronto.	None	....	1,555 00
July 9....	District of Parry Sound.	Supply and erection of a hot water heating apparatus in the Court House at Parry Sound.	Elliott Brothers of the City of Kingston.	None	.. ..	2,098 00
July 9....	District of Nipissing .	Supply and erection of a hot water heating apparatus in the Lock-up at Mattawa.	Elliott Brothers of the City of Kingston.	None	. . . .	1,027 00
July 9 ...	Asylum for the Insane, Hamilton.	Construction of additional dormitories at the main building.	Frederick Henry Dickenson, of Hamilton.	None	. . . .	2,297 00
July 10..	Asylum for the Insane, Kingston.	Supply and setting up of one horizontal multi-tubular boiler in the boiler house.	Selby and Youlden (Chas. Selby) of Kingston.	None	. . . .	1,081 00

STATEMENT No. 5.—*Continued.*

Statement of Contracts and Bonds, etc., entered into with His Majesty in 1903.

Date.	Service.	Subject of Contract.	Contractor.	Sureties.	Description of Contract.	Amount.
						$ c.
July 15..	Laboratory for the Provincial Board of health.	Plumbing and gas fitting to be installed at the new medical building, Toronto University.	William J. McGuire of Toronto.	None	....	698 00
July 15..	Normal and Model Schools, Toronto.	Sundry works in connection with the additions and alterations to the heating plant.	The Bennett & Wright Company, Limited., of Toronto.	None	....	5,196 00
July 21..	Institution for the Deaf and Dumb, Belleville.	Erection of an addition to the Laundry.	Thompson Brothers, of the City of Belleville.	None	....	740 00
July 22..	Asylum for the nsane, Hamilton.	Supply and erection of two horizontal multi-tubular boilers in the East Boiler Room of the Main Building.	The Polson Iron Works, Toronto.	None	....	2,250 00
July 27..	Madawaska River works.	Pine and hemlock timber required in construction of superstructure of a Bridge at Combermere.	John D. McRae, of the Village of Eganville.	None	....	1,856 00
Aug. 31..	District of Rainy River.	Construction of a Registry Office at Fort Francis.	S. C. Sharman, of Rat Portage.	None	....	2 000 00
Sep. 3....	Asylum for Idiots, Orillia.	Construction of an addition to the Root House.	James R. Eaton, of Orillia.	None	....	2,530 00

Sep. 12...	Asylum for the Insane, Kingston.	Slating and galvanized iron work on roof of Nurses' Home.	Elliott Brothers of Kingston.	None	....	660 00
Sep. 14...	Steel bridge at outlet of Lake of the Woods.	Construction of Piers and Abutments for a Steel Bridge across the easterly branch of the Winnipeg River at Rat Portage	Keller Brothers, of Rat Portage.	Phillip Austen and William R. Gerrie, both of Rat Portage	....	10,000 00
Sep. 14...	Seguin River Bridge...	Construction and erection of a wrought steel superstructure over Sequin River at Parry Sound.	The Hamilton Bridge Works Company (Limited) of Hamilton.	None	....	3,685 00
Sep. 25...	Hospital for Epileptics, Oxford.	Erection of two Cottages (on the property known as the Hatch Farm) near the City of Woodstock.	Nagle and Mills, of the Town of Ingersoll.	Angus McKay and William Henry Jones, both of Ingersoll.	....	29,700 00
Oct. 2....	Asylum for the Insane, Kingston.	Plumbing and hot water heating at the Nurses' Home.	Elliott Brothers of Kingston.	None	....	1,250 00

J. P. EDWARDS, Law Clerk,
Public Works Department.

DEPARTMENT OF PUBLIC WORKS, ONTARIO,
TORONTO, January, 1904.

Sixteenth Annual Reports

OF THE

Inspectors of Factories

FOR THE

Province of Ontario.

1903.

(PUBLISHED BY THE ONTARIO DEPARTMENT OF AGRICULTURE, TORONTO)

PRINTED BY ORDER OF

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1904.

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TORONTO.

REPORTS

OF THE

INSPECTORS OF FACTORIES

FOR THE

PROVINCE OF ONTARIO.

WESTERN DISTRICT.

To the Honorable the Minister of Agriculture:

Sir,—I have the honor to submit the following report for the year ending December 31st, 1903:

Industrial and commercial conditions were very satisfactory, and the year 1903 may be termed a bright one for our Province. It was thought that the year 1902 was remarkable on account of the nature and extent of the commercial progress which was then apparent, but the succeeding twelvemonth was far ahead of it, as it carried with it large investments of capital and exceptionally good and remunerative agricultural yields, together with a large output from various factories, and both skilled and unskilled labor shared in the general prosperity.

Overtime Permits.

The applications for overtime permits were numerous during the year 1903, but, as the Act specifically states, overtime permits can only be granted where an accident to the machinery or the exigencies of certain trades would hamper the employer. In this particular I may say that miscellaneous other excuses were advanced as reasons for requiring overtime permits, but I kept the law well in view, and granted 26 permits to factory employers and 5 overtime permits to master bakers; as well as supplying nearly all the master bakers employing help in my district with permits to set a sponge on Sundays, as required by Sections 11 and 12 of the Ontario Factories Act and Section 40 of the Amended Ontario Shops Regulation Act.

Fire Escapes.

Section 21 of the Ontario Factories Act, as amended March 17, 1902, states that a sufficient number of iron and other non-inflammable fire escapes must be erected on the

outside of factory buildings, such fire escapes to consist of stairways with railings; or, in case of special approval of the Inspector, given in writing, then of iron ladders; and every such stairway or ladder shall be connected with the interior of building by iron or tinned doors or windows, with iron shutters, and to have suitable landings at every story, including the attic, if the attic is occupied as a workroom, and the said stairway to start at a distance of not more than eight feet from the ground or pavement.

Under this Act, when the Inspector orders fire escapes on a factory building, it is not done simply because the law gives him the power; nor is it intended to annoy the agent or owner of a factory or an estate property; but, on the contrary, the order is issued because the Inspector believes it necessary, and that at some future time it may be the means of saving life. At the present time there appears to be no particular rule laid down giving details for the construction of a standard fire escape on factories, etc. A fire escape is something that is seldom used, but when it is needed it is needed badly, and should be of a pattern which will afford a rapid and safe descent; and in this respect this department undertakes the responsibility of seeing that a satisfactory fire escape is erected, and will protect the agent or owner from any imposition.

Child Labor.

The law requiring that boys' and girls' ages shall be 14 years before securing employment in factories has been stringently enforced, but there has been a misunderstanding on the part of school inspectors and others in authority, who undertook to grant the children's certificates dispensing them from school, and authorizing their employment in factories. I think, in view of threatening to prosecute some of those officials, that I have found a remedy which will eradicate this practice and lessen the possibilities of children being employed in factories. This provision of enforcing the law, while it may seem arbitrary and unjust to some, is based, I think, on sound statemanship, and strikes at the very foundation of all our industrial trouble. Moreover, it meets with the approval of the purely humanitarian, and preserves to a great extent the Province from the effects consequent upon the enforced idleness of a considerable portion of its male and female adults, both in times of prosperity and depression. Against the principle of enforcing the law, we very often hear what may be termed a mischievous argument that children had better be at work than running the streets, learning all manner of wickedness. My only excuse for introducing so trite a saying here is because it is so hackneyed; also because it is a mischievous expression, as multitudes of good, but thoughtless people accept it as logical, and as a justification of a serious evil. Now, in view of our compulsory school system, children should not be found on the streets except during vacation periods. Again, it is self evident that labor at anything a child is capable of doing for eight or ten hours daily is injurious to the mental and physical development of any child under fourteen years of age. The labor may not be hard, and the air may be as pure as that of the school room, but the weariness of the endless repetition of the mechanical action, the continual over and over again of certain physical motions, giving no opportunity for change or variety, is very depressing, and tends to dull and stupefy the mind of the growing child.

Compare the children who have passed a year in even the poorest of our schools, and those who have spent the same time in one of the best of our manufacturing establishments, and comment would be needless. The tendency of the one is to awaken the dormant faculties of the mind, stimulate the sluggish powers of the soul, and gives us new men and women with keen, active, wide-awake brains, wise, intelligent souls, in healthy bodies. The tendency of the other is to dwarf the soul, stupefy the mind, and reduce the human beings to the level of a machine. In this, as well as other respects, we intend enforcing the law, and I may say that the only prosecution for the year 1903 was for employing a boy under 14 years of age in a saw and shingle mill.

Protection for Elevator Openings.

Section 20 and subsequent amendment (c) of the Ontario Factories Act clearly states that openings to every hoistway, hatchway, elevator or well-hole shall be at each floor provided with and protected by good and sufficient trap-doors or self-closing hatches and safety-catches, or by such other safeguards as the Inspector directs, and such trap-doors shall be kept closed at all times except when in actual use by persons authorized by the employer to use the same.

In view of the modern introduction of both passenger and freight elevators, travelling in excess of 60 or 75 feet a minute, it is claimed that hatch doors, etc., cannot be used successfully on any but a slower speed elevator. Moreover, we find that hatch bars, hand gates, and even automatic working gates do not reduce the number of accidents. But the present law plainly requires that elevator approaches must be guarded with trap-doors or self-closing hatches, and in this respect we are enforcing the law where it is not a deterrent to speed of elevators, and we also keep well in view that all elevator approaches must be guarded. I surmise that the day is not far distant when a more uniform guard will be found to meet the exigency of changed conditions. Nevertheless, it is incumbent on all factory owners to see that guards on all elevator openings are properly working, and that cables, shives, safety catches, etc., are frequently examined to see that all mechanical parts of the elevator are in good working condition, as required by law. In this respect 13 accidents occurred during the year, 2 of which proved fatal.

Accidents.

In view of Sections 22, 23 and 24 of the Ontario Factories Act, requiring all employers to report accidents, explosions, and fatal injuries, under a fine not exceeding $50, I am satisfied that all were reported that properly cam within the meaning of the law. This department has made it a special mission to see that all accidents to employees have been reported during the year. Although the number is large, I attribute the increase to nothing else but the enforcing of the law. When I began insisting on the law being carried out some employers fancied that we were seeking this information for the purpose of prosecuting a trial under the Workmen's Compensation Act. Again, I wish to advise employers that the Inspector has nothing whatever to do with such actions at law, except as any other citizen is required to do—attend court when a subpoena has been served on any one of the Inspectors. Moreover, I find that detailed reports of various accidents enable the Inspectors to introduce some practical safeguard on machines, etc., that are reducing the possibility of accidents recurring. With this object in view, I am determined that the law shall continue to be enforced. The number of accidents reported during the year 1903 total 397, of which 21 were fatal :

21 by buzz planer and jointers.
8 by rolls.
4 by card machines.
10 by dye presses.
12 by circular saws
19 by rip saws
30 by scalds and burns.
5 by trip hammers.
10 by gears and pulleys bursting.
3 by grinding machines.
3 by planing machines.
14 by falls.
13 by elevators.
11 by emery wheels.
6 by shafting.
3 by printing machines
5 by belts.
4 by windlass hoists.
7 by wood shapers.
4 by sanding machines
3 by box corner staying machines
6 by fly wheels bursting.
6 by boiler explosions.

The balance of the accidents were of a miscellaneous nature, and not of a serious character.

The fatal accidents, and causes, were as follows :

Walter Stark was injured on 30th December, 1902, in the McLagan Furniture Company's factory in Stratford, having his hand cut on a circular saw ; said injury caused blood poisoning. He died January 9th.

Miss Alice Roberts, employed by the Messrs. D. L. Perrin & Co., Limited, of London, fell down the elevator shaft to basement, a distance of 22 feet. Died April 17th, 1903. This elevator was equipped with a side gate.

Herbert Cook, employed by the McLagan Furniture Company, of Stratford, while attempting to jump on elevator while ascending was caught fast between elevator car platform and beam of third floor. His life was crushed out. This elevator was also equipped with a slide gate.

Frederick Le Roy, employed by the Toronto Bolt and Forging Co., at Swansea, fell into a vat of hot soda water, and died May 6th from injuries by scalding.

Albert Holden, employed by the Gutta Percha and Rubber Company, Toronto, was killed by flying bricks fracturing his skull. His arm and leg were also broken. The bursting of a fly wheel was the primary cause of the bricks being displaced.

Richard Nash, employed by the Gutta Percha and Rubber Company, Toronto, had left hand caught in rolls of washing mill. Lockjaw set in, and this unfortunate employee died on June 7th.

George F. Brown, employed by the Waterous Engine Works, Brantford, while engaged in loading lumber on gallery, stepped over the edge and died on May 19th from injuries.

Sevid Nicholson, employed by the Rat Portage Lumber Company, was struck in abdomen by a flying board. He died next day (July 10th) from effects of accident.

Charles Williams, employed by Messrs Chew Bros., Midland, was in some peculiar manner thrown across a trimming saw and instantly killed, on July 25th.

John Pollock, employed by the Goldie, McCulloch Co., Limited, Galt, while engaged on August 11th in making excavation for moulding box, weakened the ground by digging too close, with result that casting fell on him, killing him instantly.

James Dowsley, employed by the S. Hadley Lumber Co., of Chatham, while engaged in ripping a piece of board, was struck on the stomach. Death followed three days after accident, Sept. 24th.

John Gerbig, employed by the M. B. Perine & Co., Doon, while engaged in cardroom, went behind card machine and put his hand into machine. From injuries received he died on Oct. 26th.

James Northcote, employed by the Ontario Land and Oil Co., Petrolia, had the misfortune to have his clothing caught in drive belt, with the result that his body was drawn in between pulley and husk block, causing death November 11th.

George Yates, employed by the Sydenham Glass Co., Wallaceburg, while engaged in repairing a belt, had his clothing entangled in a belt to such an extent that his body was whirled around shafting, causing death on November 18th.

B G. Clampbell, employed by the McLary Manufacturing Co., London, while engaged in moving a heavy lathe from a dray wagon, had the misfortune to be crushed between lathe and an iron tank. Death followed on November 10th.

John Agnew, employed by the United Factories, Limited, Newmarket, was killed by the explosion of steam boilers on November 18th.

Frank Burch, employed by the United Factories, Limited, Newmarket, was killed by the explosion of steam boilers on November 18th.

John Tutt, employed by the Lake Huron and Manitoba Milling Company, Goderich, while engaged in trimming grain, his clothing caught in shaft coupling 7 or 8 feet above floor, with the result that he had his back broken and died instantly, November 27th

Fred J. Clifton, employed by the Ontario Sugar Company, Berlin, while engaged in making repairs to belt on December 7th, was wound around the main shaft, being instantly killed.

Samuel Stephenson, employed by the Hamilton Steel and Iron Co., Hamilton, while leaning across rolls to arrange water pipe, had his arm caught in rolls, with the result that the motion of the rolls took in his head and part of body, killing him instantly, December 23rd

Walter Bainard, employed by the London Machine Tool Co., London, was killed while engaged operating an iron planer. It is supposed that he had occasion to examine the underpart of this planer, with the result that he received an ugly wound on the back of his head, killing him instantly, December 31st.

Closet Ventilation.

A very necessary adjunct to every mercantile and manufacturing establishment is the closets for the use of the occupants. The health and army regulation requiring one closet for every 20 or 25 persons should be kept well in view by owners or proprietors of mercantile or factory premises. Moreover, the law requires that separate sets of closets shall be provided for male and female employees; and in this respect we have increased the accommodation very largely during the year. There is still, however, a serious objection to the manner in which closets are ventilated, and I think no person of ordinary sense will question the imperativeness of pure air in such cases. In my opinion there is not the least excuse for its not being supplied. We frequently find closets located in a dead corner of mercantile and factory establishments, where pure air cannot be obtained directly from the outside atmosphere. What is required is a little intelligent judgment when installing the lavatory plant, so that light and pure air may be obtained. I trust that those responsible will keep these suggestions well in view when installing new plants. In seeking a remedy for lavatories now installed, a feeling exists that gas and foul odors common to such apartments rise to the ceiling, which is not so in practice. In order to get over this difficulty, the point at which the air should be taken from closets and urinals is directly over the urinals and seats, and they should have an exhaust fan to those ventilator pipes and hoods, so that gases, etc., may be carried above the highest points on the roofs, which will comply with the health act and remove any annoyance to employees on upper floors. Moreover, by this change, the air, instead of being laden with impurities, as is now invariably found in closets where fans are not employed for ventilation, will be found to be pure and healthy. The opinion prevails that the day is not far distant when employers, architects, building contractors and plumbers will give this question more attention.

Bake Shops.

I am glad to report that much improvement has been made in a great many of our bake shops by erecting them above ground, and constructing them according to sanitary rules: but we are still after the dark, damp, untidy bake shops, and are having them much improved. While it is not the purpose of the Inspectors to advise that bake shops should be converted into drawing-rooms, yet there is no good reason why bake shops should not be placed on the same level as to health and cleanliness which is required in other lines of trade. Moreover, there is nothing that will advance the interests of master bakers so rapidly and so certainly as intelligent attention given to the physical and social condition of his employees and surroundings. Lime is inexpensive,

therefore, use a liberal supply of it on walls and ceilings. Windows can easily be kept clean. Brooms are easily obtained, and are most effective in removing cobwebs from ceilings and all corners of bake shops, and may afterwards be used with good effect on floors when the latter have been scraped and scrubbed off. Again, there can be no economy in furnishing employees with flour sacking instead of towels. This, with other equally bad conditions, are found to exist when Inspectors drop in; and the same peculiar explanations are usually advanced in reply to our inquiry: "Where are your supply of clean towels?" In some cases they have not yet been returned from the laundries, and in other cases they have just sent them out to be washed, and have hung up a flour sack as an improvised towel. Upon examination we find that improvised towel has been used for three or possibly six days, and the regular towelling has been found in the same condition as the improvised ones. There can be no good excuse advanced for not keeping a good supply of clean towels on hand at all times for the use of master bakers, journeymen or apprentices, as towelling is inexpensive, and the cost of having them washed is trifling, all of which allies the interests of both master bakers and employees, to say nothing of the duty that they owe their patrons on the question of general cleanliness.

Spontaneous Combustion.

I desire to advance a few reasons why fires sometimes occur in mercantile and factory establishments that may be attributed to spontaneous combustion.

A wad of cotton used for subbing a painting, etc., has been known to take fire when thrown through the air.

The waste from vulcanized rubber, when thrown in a damp condition into a pile, takes fire spontaneously.

Coal stored in a pile either in the yard or alongside boiler casing of brick has been known to take fire without a spark being applied.

Cotton seed oil will take fire when mixed with 25 per cent. of petroleum oil; but 10 per cent. of mineral oil mixed with animal or vegetable oil, will go far towards preventing combustion.

Olive oil is combustible, and, mixed with rags, hay or sawdust, will produce spontaneous combustion

Coal dust, flour dust, starch (especially rye flour), are all explosive when with certain proportions of air.

New starch is highly explosive in its comminuted state; also sawdust in a very fine state, when confined in a close chute, and water directed on it. Sawdust should never be used in oil shops or warehouses to collect drippings or leakages from casks.

Dry vegetable or animal oil inevitably takes fire when saturating cotton waste at 180 degrees Farenheit. Spontaneous combustion occurs most quickly when the cotton is soaked with its own weight of oil. The addition of 40 per cent. of mineral oil (density .89), of great viscosity, and emitting no inflammable vapors, even in contact with an ignited body at and point below 338. degrees Farenheit is sufficient to prevent spontaneous combustion, and the addition of 20 per cent. of the same mineral oil doubles the times necessary to produce spontaneous combustion.

Greasy rags from butter, and greasy ham bags.

Timber dried by steam pipes, or hot water or hot air heating apparatus, owing to fine iron dust being thrown off inclose wood casings, or boxings around the pipes, from the mere expansion and contraction of the pipes.

Patent dryers from leakage into sawdust, etc., oily waste of any kind or waste cloths of silk or cotton saturated with oil, varnish or turpentine, are liable to spontaneous combustion

Prosecutions.

On July 28th, 1903, Messrs. R. W. Milligan, J. Credrick, F. Johnson and J. McDonald were fined $2 and $38.75 costs by Police Magistrate Story in Midland for employing a boy named John D. Harley in their saw and shingle mill in the village of Foxmead, who was under fourteen years of age.

Shafting.

Do not buy light hangers, and think they will do well enough, when your own judgment tells you that they will spring.

Remember that shafting is turned one-sixteenth inch smaller than the nominal size.

Cold-rolled and hot-rolled shafting can be obtained the full size. The sizes of shafting vary by quarter-inches up to three and a half inches. The ordinary run of shafting is not manufactured longer than from 18 to 20 feet. For line shafts, never use any that are smaller than one and eleven-sixteenth inches in diameter, as the smallest diameters are not strong enough to withstand the strain of the belts without springing. The economical speed of shafting for machine shops has been found to be from 125 to 150 revolutions per minute, and for woodworking shops from 200 to 300 revolutions.

A jack-shaft is a shaft that is used to receive the entire power direct from the engine or other motor, which it delivers to the various main shafts. Keep the shafting well lined up at all times, as this will ward off a breakdown, and avoid a waste of power. Know that the pulleys are well balanced before they are put in position, as a pulley much out of balance is quite a sure method to throw shafting out of line. Look to the pulleys, and see that they have been bored to the size of the shaft, for unless this is done the pulley may be out of centre on the shaft and prevent smooth running. If possible, apply the power to a line of shafting at or near the centre of its length, as this will enable you to use the lightest possible weight of shafting. Hangers, with adjustable boxes, will be found to be the most convenient for keeping the shafting in line. Keep your drip-cups cleaned, and do not allow them to overflow or get loose. Have a supply of tallow in the boxes; in case of accidental heating, it will melt and prevent cutting; this rule, while good for general use, applies particularly to special cases where there is a supposed liability to heating. Never lay tools or other things on belts that are standing still, for they may be forgotten and cause a breakdown when the machinery is started. Do not attempt to run a shaft in a box that is too large or too small, as you will waste time and fail to secure good results. A loose collar held by a set screw will cause the collar to stand askew, and it will cut and wear the box against which it runs.

In erecting a line of shafting, the largest sections should be placed at the point where the power is applied. The diameter can then be gradually decreased towards the extremities remote from this point. Do not put loose bolts in plate couplings, as this will give no end of trouble, in cutting, shearing, and the wearing away of the bolt holes. Do not think that because your shafting has been well erected and you oil it regularly, that it will never need any inspection or repairs. Do not try to economize in first cost by having long distances between hangers, for a well-supported shaft will always do the best work; short shafts are the surest to be straight, and to remain so. The length usually adopted for shafting bearings is twice to four times the diameter of the shaft, varying with the diameters of shaft, kind of bearings, and the material used in them. Large shafts in the gun metal or bronze boxes may have bearings only twice their diameter in length. Cast iron bearings up to and including three-inch shafts are often made four diameters of the shaft in length, particularly for self-adjusting hangers.

If babbit is used for the boxes, use only a good metal; do not adopt the common mixture of tin, antimony, and lead. Insist upon having good iron in your shafting, as

the bearings will take a finer polish, and you will not be subject to sudden ruptures. If the strain on a pulley is so great that the set-screws already in will not hold it, do not let them score into the shaft, but put in an extra screw, or cut a key-way and put in a key. The width of a key-way should be one-quarter of an inch for each inch of diameter of the shaft. The depth of a key-way is one-half its width.

Decay and Rot in Timber.

The principal cause of the lack of proper durability of timber in buildings is the porosity of the lumber used and the consequent liability to absorb moisture. Coarse-grained woods of quick growth are more liable to this defect than those of tough fibre and slow growth. When timber gets wet and dry it becomes brittle and weakened, or "its nature is gone," as the workmen say. Rot is of two kinds, wet and dry, and moisture is the essential element in both cases; the only difference being that in the first the moisture is quickly evaporated by exposure to the air, and the latter, when there is no exposure, it produces a species of fungus and minute worms, which eat in between the fibres, and gradually produce disintegration. Sap wood is more perishable than heart wood, for the former contains more of the saccharine principle, and renders the wood liable to a fermentive action.

The prevalent practice of confining unseasoned timber by building it close into walls, thus preventing the ready evaporation of whatever moisture happens to get to it, is a bad one. The ends of the wood especially should be surrounded by an open air-space, however small, as it is the ends where the dampness is most liable to penetrate into the structure of the wood. It is a well-known fact that a log of green wood, when kept immersed will become waterlogged, and sink, and, of course, become unfit for use afterward. The same process, only slower, applies when it is exposed to damp, with no facilities for rapid evaporation. Quicklime, when assisted by moisture, is a powerful aid in hastening decomposition, in consequence of its affinity for carbon. Mild lime has not this effect, but mortar, as used in buildings, requires a considerable length of time to become inert in its action as a corroding agent; therefore, bedding timber in damp mortar is very injurious, and often the cause of unaccountable decay. Wood, in a dry state, does not seem to be injured by contact with dry lime, it being rather a preservative. An example of this is shown in lathing covered with plaster, which often retains its original strength when surrounding timbers are completely rotted away.

Anything that will hinder the absorbing process will extend the life of a wood, such as a coating of tar, paint, or a charring of the surface. The latter method will prove the most effective, if sufficiently deep, as the charred coating is practically indestructible, closes the pores of the wood, and will prevent the bursting into flame in case of a fire. If all joists, girders and inside beams of every kind were treated to a superficial charring process, it would tend, in conjunction with fire-proof paint applied to outside finishing work, to make a building as nearly fire-proof as wood in any condition will allow.

The Painting of Fire Escapes, etc.

Cast and wrought iron behave very differently under atmospheric conditions, and require somewhat different treatment. The decay of iron becomes very marked in certain situations, and weakens the metal in direct proportion to the depth to which it has penetrated, and, although where the metal is in quantity this is not appreciable, it really becomes so when the metal is under three-fourths of an inch in thickness. The natural surface of cast iron is very much harder than the interior, occasioned by its becoming chilled, or by its containing a larger quantity of silica, and affords an excellent natural protection: but, should this surface be broken, rust attacks the metal

and soon destroys it. It is very desirable that the casting be protected as soon after it leaves the mould as possible, and a priming coat of paint should be applied for this purpose; the other coats, thought requisite can be given at leisure. In considering the painting of wrought iron, it must be noticed that, when iron is oxidized by contact with the atmosphere, two or three distinct layers of scale form on the surface, which, unlike the skin upon cast iron, can be readily detached by bending or hammering the metal. It will be seen that the iron has a tendency to rust from the moment it leaves the hammer or rolls, and the scale above described must come away. One of the plans to preserve iron has been to coat it with paint when still hot at the mill, and although this answers for a while, it is a very troublesome method, which iron masters cannot be persuaded to adopt, and the subsequent cutting process to which it is submitted leaves many parts of the iron bare. Besides, a good deal of the scale remains, and, until this has fallen off or been removed, any painting over it will be of little value. The only effectual way of protecting wrought iron is to effect a thorough and chemical cleansing of the surface of the metal upon which the paint is to be applied; that is, it must be immersed for three or four hours in water containing from one to two per cent. of sulphuric acid. The metal is afterwards rinsed in cold water, and, if necessary, scoured with sand, put again into the pickle, and then well rinsed. If it is desired to keep iron already cleansed for a short time before painting, it is necessary to preserve it in a bath rendered alkaline by caustic lime, potash, soda or their carbonates. Treatment with caustic lime water is, however, the cheapest and most easy method, and iron which has remained in it some hours will not rust by a slight exposure to dampness. Having obtained a clean surface, the question arises, what paint should be used upon iron? Bituminous paints, as well as those containing variable quantities of lard, were formerly considered available, but their failure was made apparent when the structure to which they were applied happened to be of magnitude, subjected to great inclemency of weather, or to constant vibration. Recourse, has, therefore, been had to iron oxide itself, and with satisfactory results. A pound of iron oxide paint, when mixed ready for use in the proportion of two thirds oxide to one-third linseed oil, with careful work, should cover twenty-one square yards of sheet iron, which is more than is obtained with lead compound.

Hot Water System.

Let your "risers" not be less than 1 1-4 inches, for smaller pipes soon become coated, if the waters used contains lime or other matters in solution or suspension. Galvanized pipe is best; it does not become rusty and discolor the water. In ordinary pipe, be sure to get "galvanized steam," and not "galvanized gas." Let your draw-off services be for bath 1 inch, to lavatories 1 inch, for hot water 1-2 inch. Do not make the draw-offs too small; it takes too long to drain a pipe of cold water. The larger the pipes, the freer the circulation, and if you have hard water, they will remain in good order longer. Be sure that all joints are secure and free from leaks, and always look through a pipe before fitting it in place, to see that there is no dirt or impediment to the flow of the water through it. Avoid the use of elbows in circulating pipes; use only bends; if you cannot avoid using an elbow, see that it is a round one.

The Heating Surface of a Steam Radiator.

For instance, the radiator contains 300 feet of one-inch pipe; what will be its heating surface in square feet?

Ans.—300 feet equals 3,600 inches. The outside circumference of one-inch pipe equals 4 inches. And 3,600x4 equals 14,400 square inches of heating surface. Lastly, 14,400 divided by 144 equals 100 square feet of heating surface.

Fire-proof Doors.

A door of the right construction to resist fire should be made of good pine, and should be of two or more thicknesses of matched boards, nailed across each other, either at right angles or at forty-five degrees. If the doorway be more than seven feet by four feet, it would be better to use three thicknesses of the same stuff; in other words, the door should be of a thickness proportioned to its area. Such a door should always be made to shut into a rabbet, or flush with the wall when practicable; or, if it is a slide door, then it should be made to shut into or behind a jamb, which would press it up against the wall. Both sides of the door and its jambs, if of wood, should then be sheathed with tin, the plates being locked at joints, and securely nailed under the locking with nails at least one inch long. No air spaces should be left in a door by paneling or otherwise, as the door will resist best that has the most solid material in it. In most places it is much better to fit the door upon inclined metal sliders than upon hinges.

This kind of door may be fitted with automatic appliances, so that it will close of itself when subjected to the heat of a fire; but these appliances do not interfere with the ordinary methods of opening and shutting the door. They only constitute a safeguard against negligence. Under this heading may be classed all the doors of iron, whether sheet, plate, cast or rolled, single, double, or hollow, plain or corrugated, none of which are capable of resisting fire for any length of time; also wooden doors covered with tin on one side only, or covered with zinc, which melts at 700 degrees Farenheit.

The wooden door covered with tin only serves its purpose when the wood is wholly encased in tin, put on in such a way that no air can reach the wood when it is exposed to the heat of a fire. Under these conditions, the surface of the wood is converted into charcoal; charcoal being a non-conductor of heat, itself tends to retard the further combustion of the wood.

Dynamos.

Dynamos should always be fixed in dry places, and they must not be exposed to dust flyings or other industrial waste products carried in suspension in the air. They should not be permitted in the working rooms of mills, where the liability to such dangers exists, or where any inflammable manufactures are carried on, or inflammable materials are stored.

Motors should be subjected to the same conditions as dynamos; but when it is necessary to use them, such as those above referred to, they should be cased in, having a non-combustible lining

Automatic Sprinklers.

Many workshops and factories have been expensively fitted up with aotumatic sprinklers as a safeguard against fires; a certain temperature of heat fusing the metal, opening a valve and letting out a flow of water. But an inspection of the perforated pipes in a majority of instances will reveal the fact that the apparatus has been neglected. Cobwebs and dust cover the pipes, the sprinklers have been permitted to corrode and unsolder, and, should a fire chance to occur and the services of the sprinklers ever be required, they would be found almost useless, and for all the work they would perform in the line of throwing cold water on the devouring elements, the factories might as well have remained "unprotected."

Ventilation.

Perhaps no single feature of modern architectural construction is likely to secure such immediate regard in the near future, and is already engaging the attention of the

foremost men in the profession, as that of proper ventilation. Nor can it be denied that no feature is more important for health considerations in mercantile houses, factories and workshops, than the securing of a steady supply of pure air and the coincident and corresponding removal of the vitiated air, so that the atmosphere in the room is, at all times, fresh and pure.

The expedients for obtaining a supply of fresh air to the room, so that there is a constant dilution and consequent bettering of the atmosphere, are comparatively simple. They merely imply that the air warmed by the hot air furnace or steam coils in the cellar be taken from a place where it is pure, that the ducts in cellar, through which the air travels, be air-tight, and that some automatic means be adopted to regulate the the temperature of the air supplied to the work-rooms or factories, without shutting off such air supply. Or, when steam radiators are in rooms, that they be placed below windows, and air pass by means of proper orifices from outside through the radiators.

The mere supply of warmed fresh air to the rooms is not enough. For note, if the air in a room has not escape, it does not take long, whether the fresh air supply, before the vitiated air contaminates and makes foul the air as it enters the room. To open the windows is the remedy which the uninitiated at once suggest. In a proper ventilated building the windows should never be open when people are in the rooms, at least in the winter months. For, opening the windows secures the admission of cold air in bulk, but does not remove the foul air, but chills the room, and in this way causes pneumonia, etc., and more damage is done than even by the presence itself of vaitited air in the rooms.

A warm or hot room does not necessarily signify an impure atmosphere ; while we may have a room cold and the atmosphere still terribly impure. The unthinking never takes this into account, and are apt to confuse the term warm with impure, and the term cold with pure atmosphere.

The proper way to remove the vitiated air is by means of vent-ducts or vertical flues leading from the rooms to the roof of the building. These flues should have an aggregate cross-sectional area at least equal to, and about ten per cent. greater than, the cross-sectional area of the fresh air inlets, and should be situated on the opposite side of the room.

These vent-ducts should have openings controlled by registers, near the floor and near the ceilings of the rooms ; but the two registers should not be opened at the same time. The cross-sectional area of the registers should not be opened at the same time. The bottom register is the one ordinarily to be used, for the heavy air sinks to the floor, while the fresher, unpolluted air, rises These vent-ducts cause a gentle draught in the same way that a chimney of a steam boiler or hot-air furnace does. To make a rapid removal of vitiated air, an exhaust fan, driven by steam or electric power, may be placed near the top of vent-duct, and the air exhausted from duct by means of this fan, thus increasing the fresh air supply through fresh air inlet. This system is recommended in factories, where the rooms are, at times, full of people, or the temperature of the air in the vent-ducts, and consequently the draft and the removal of vitiated air may be increased by adopting the following means :

Steam risers, through which steam of high or low pressure circulates, may run through the vent-ducts.

Steam risers may have a large coil near the top or right above the vent flues proper.

In the construction of mercantile and factory buildings we find it very difficult to adopt the exhaust-fan system, but with the suggestions offered I feel that there should be no good reason why factories and mercantile establishments should not be properly ventilated to meet all Canadian atmospheric changes during each year.

The Collection and Removal of Refuse From Grinding and Polishing Machines.

The various abrasive processes of different industries, grinding, polishing and buffing, are productive of great quantities of matter in such a finely-divided state that it is easily held in suspension in the air. In view of the extension of uses for emery, corundum, carborundum and other abrasives and polishing agents, the problem of adequately collecting the dust or lint becomes one of no small importance. Three main reasons may be assigned why this product of the grinding wheel should be taken care of, and of these three, in any individual case, one or all may apply. In the first place, the dust-laden atmosphere of a shop may be looked at from the viewpoint of the health of the operatives.

It often happens that grinding-wheel dust must be caught and removed in the simplest and most expeditious manner possible, either to avoid its too rapid accumulation, or else to prevent any injurious effects which such refuse may have upon processes going on in portions of the factory contiguous to the grinding or polishing rooms. Again, the case often arises where the material is of such value that economy demands the careful collection of the small particles removed by the wheel.

We come now to consider the most effective mode of accomplishing the desired end. The ideal system must be unfailing in action, free from complication, and low in cost. On account of the minuteness of the particles to be handled, and their consequent lightness, the proper application of air currents at once suggests itself as most feasible. If we place a hood in close proximity to the point at which the grinding is done, and reduce the pressure within the hood, atmospheric pressure serves to create currents into the hood of sufficient strength to cary the refuse particles along with them. The branch pipes from the hoods of the various wheels connect with a main duct, which in turn leads to the exhaust inlet of the rotary centrifugal fan, which is the device universally employed for this purpose.

Although at first glance it would seem a simple matter to design a proper dust-conveying system, in reality there are a number of points which require careful and intelligent handling. In different processes the grinding is done at different points of the wheel, and this must be considered in the design of the hood. Provision must also be made for adjusting the hood to allow for any wear of the wheel. Where the motion to the wheel imparts a downward direction to the particles, the main exhaust pipe is placed below the machine, with the hood branch pipe leading down to it. When the dust is projected upwardly, however, it often becomes imperative for a proper working of the system to locate the exhaust piping above, though with a greater expenditure of power due to lifting the refuse matter. Various considerations enter in any specific case to determine the proper arrangement of the hoods and piping, so that it is impossible to lay down any hard and fast rule. Indeed, it should be stated here that the design of such a system, and the various problems arising in its installation, should be referred to those whose previous experience in such matters place them in a position to provide a successful and economical system.

The fan usually to be employed is known as a volume exhauster, built of a cast-iron casting, within which revolves a blast-wheel constructed of steel plate blades, bolted to cast-iron spider arms. The size of the fan depends, of course, upon the system to be served, that is, the size and number of grinding wheels. A grinding wheel 10 inches in diameter requires a 4-inch pipe, and wheels 18 to 24 inches require a 4 1-2-inch pipe. The area of the main pipe leading to the exhauster will be governed by the combined areas of the branch openings, and by its length. For short lengths, the main pipe may be made of a sectional area equal to or even a trifle less than the sum of the branch pipe areas, 80 per cent. being very good practice. This is because the friction for a given velocity is so much greater for small pipes than in large. To avoid excessive frictional losses, it becomes necessary also to increase the main pipe diameter in proportion to the length of the pipe. The main exhaust pipe, it must be added, should be reduced in size as it recedes from the fan, and as the various branches lead off from it.

In every branch pipe should be a blast gate, by shunting which, when its particular wheel is not in operation, the suction of the other wheels may be increased. The greatest care must be exercised to avoid any pockets or low places in the piping, where the dust can collect, because the danger of clogging must be carefully guarded against. For this reason, also, the laps or joints in the pipe must always be laid in the direction of current flow, and for efficient working the main pipe should be as straight as possible, without curves or bends. The branches should connect with the main pipe by an easy curve, also in the direction of the flow. A most frequent defect of such systems is clogging after longer or shorter use, and hence the foregoing points must receive careful attention.

Having determined the maximum diameter of the main exhaust pipe, which at the proper pressure will handle the air without excessive frictional losses, we select a fan whose inlet orifice has an equal diameter, and speed the same up until the desired pressure is obtained. The pressure is proportional to the velocity. Owing to the lightness of lint from buffing wheels, 3-ounce pressure will usually suffice therefor. For emery wheels, about 5-ounce is required, though if the grinding is heavy, 6 or 7-ounce will be needed. Where the emery refuse is to be lifted to an exhaust pipe above the wheels, a speed must be imparted to the fan to give 6 to 9 ounces, according as the work is light or heavy. It may be mentioned here that for emery systems the piping should be extra heavy to withstand the wearing effect of the particles. In the case of light, stringy refuse, the fan wheel should be of special construction to obviate clogging at that point.

When the grinding on one set of wheels is much lighter than on another, or when wheels for two different processes are used, it will usually be found preferable to have two independent systems, rather than try to handle all the refuse with one fan. In the first place, the independent fans may be run at those speeds which are best suited for economy in each case. Again, less piping will ordinarily be required than when a single system is employed. Buffing and emery systems should invariably be kept separate.

The refuse-laden air discharged from the fan may be piped out of doors, where its dissemination would do no harm, or, it may be lead to some form of dust collector. In one form the dust is separated by centrifugal force, and drops to the bottom of the collector, while the air passes out at the top. A somewhat more successful form discharges the air downward just above the surface of a vat of water. The refuse collecting at the bottom of the vat may be shovelled out periodically, or washed out with a stream of water.

How to Prevent Gear Teeth from Breaking.

Gear teeth generally have one corner broken off first, after which they rapidly go to to pieces. This may be avoided, and the teeth made stronger, by thinning down the edges with a file, thereby bringing the whole strain along the centre of the tooth. Gear teeth fixed in this way will not break unless the strain be sufficient to break off the whole tooth.

Rule for Safety Valve Weights.

To find the distance from the fulcrum at which a given weight is to be placed on the lever, in order to balance a given pressure in the boiler, multiply the steam pressure on the whole area of the safety-valve by the distance of the centre of the valve from the centre of the fulcrum. Then multiply the dead weight of the lever and the valve by half the length of the lever ; subtract this product from the first product, and divide the remainder by the given weight, supposed to be a cast-iron ball. The quotient is the required distance of the weight from the fulcrum in inches. It is necessary, in

order to find the steam pressure on the valve, to multiply the area of the valve-seat in inches by the pounds pressure per square inch. Suppose that the entire pressure of steam on the valve is 24 pounds, that the centre of the valve is 2 inches from the centre of the fulcrum, and that the weight of the ball is three pounds—the first product is 24x2, equals 48; the length of the lever is 16 inches, and the united weight of the lever and valve is 4 pounds; then the second product is (16 divided by 2) 8x4, equals 32. Then 48 minus 32 equals 16, and 16 divided by 3 equals 5 1-3 inches, the required distance of the centre of the ball from the centre of the fulcrum.

2. To find the weight of the ball to hang onto a given length of lever, in order that the steam may blow off at a given pressure: Multiply the whole pressure on the valve by its distance from the fulcrum (centre to centre); from this product subtract the product of the weight of the lever and valve, multiplied by one-half of the length of the lever; then divide the remainder by the whole length of the lever. The quotient is the weight of the ball in pounds.

Explosions.

Subsection 8 of Section 20 of the Ontario Factories Act reads as follows:

"No boiler shall be used that is not insured in some boiler inspection company, duly authorized in the Province for that purpose, or that has not been inspected within one year by a competent inspector, such inspector to be a man who has had charge of a boiler and engine for a period of not less than five years, or who holds a certificate as a stationary engineer; and the manager or proprietor shall, whenever so requested by the inspector, produce for examination the insurance policy or the certificate of inspection."

According to the best information obtainable, boiler inspection is only possible under Government supervision. I find that boiler explosions in the Province of Ontario averaged two each year, and in ten or twelve years the loss of life numbered about 46 persons, with several others seriously injured. Under these circumstances, where boiler explosions have caused such a great loss of life, I think the time opportune for some change in our present form of legislation, and from our experience I would suggest that all engineers and firemen in charge of steam plants be required to pass a Government examination; their knowledge to govern size of plant that it would be considered safe for them to be placed in charge of. In view of the steamboat inspection law having been created for the purpose of saving lives and property, I fail to see where any injustice could be done the large staff of stationary engineers if they were required to pass a similar examination in the Province of Ontario.

Care of Boilers.

Safety Valves. Great care should be exercised to see that these valves are ample in size and always should be in good working order. Overloading or neglect frequently lead to the most disastrous results.

Pressure Gauges. The steam gauge should stand at zero when the pressure is off, and it should show same pressure as the safety valve when the latter is blowing off. If it does not, then one is wrong, and the gauge should be tested by one known to be correct.

Water Level. The first duty of an engineer before starting is to see that water is at the proper height. Do not rely on glass, gauges, floats, or water alarms, but try the gauge cocks.

Gauge Cocks and Water Gauges. Both must be kept clean. Water gauges should be blown out frequently, and the glasses and passages to gauge kept clean.

Feed Pump or Injectors. These should be kept in perfect order, and of ample size. No make of pump or injectors can be expected to be continuously reliable without regular and careful attention. It is better to have two means of feeding boiler. check-valves, and self-acting feed valves should be frequently examined and cleaned.

Low Water. In case of low water, immediately cover the fire with ashes (wet, if possible), or any earth that may be at hand. If nothing else is handy, use fresh coal. Draw fires as soon as it can be done without increasing the heat; neither turn on the feed, start or stop engine, or lift safety valve until fires are out and the boiler cooled down.

Blisters and Cracks. These are liable to occur in the best plate iron or steel. When first indications appear, there must be no delay in having it examined and carefully cared for.

Firing. Charge evenly and regularly, a little at a time. Moderately thick fires are most economical, but then firing must be used when draught is poor. Take care to keep the grates evenly covered and allow no air holes in the fire. Be especially careful to lay the coal along the sides and in the corners. All lumps should be broken into small sizes. With bituminous coal "coking fire" (that is, firing in front, and then shoving the coal back when it is cooked), gives the best result. Do not "clean" fires oftener than necessary. The cleaning of the fire is best done, in ordinary working, by a "rake" or other tool, working on the under side of the grate, and not by a "slice-bar" driven into the mass of fuel above the grates.

Cleaning. All heating surfaces must be kept clean, outside and in, or there will be serious waste of fuel. The frequency of cleaning will depend on the nature of the fuel and water. As a rule, never allow over one-sixteenth inch scales or soot to collect on surfaces between cleanings. Hand holes should be frequently removed and surfaces examined, particularly in case of a new boiler, until proper intervals between cleanings have been established by experience.

Hot Water Feed. Cold water should never be fed into a boiler if it can be avoided; but when necessary, it should be caused to mix with the heated water before coming in contact with any portion of the boiler.

Air Leaks. Be sure that all openings for admission of air to boiler or flue, except through the fire, be carefully stopped. This is often an unsuspecting cause of serious waste.

Leaks. Repair leaks as soon as possible after being discovered.

Emptying Boiler. Never empty the boiler while the brick work is hot.

Rapid Firing. Don't indulge in rapid firing. Steam should be raised slowly from a cold boiler.

General Cleanliness. All things about the boiler-room should be kept clean and in good order. Negligence tends to waste and decay.

I have the honor to be,

Yours most respectfully,

JAMES T. BURKE,
Inspector of Factories.

CENTRAL DISTRICT.

To the Honorable the Minister of Agriculture :

Sir,—I have the honor to submit a report of the inspection of factories and workshops in the district assigned to me as Factory Inspector for the Province of Ontario.

I am pleased to say that my duties during the year just closed have been of a most pleasant nature. The general disposition of manufacturers to comply with suggestions made and instructions given has been greatly appreciated by me, as it is neither pleasant nor desirable for the Inspector to meet with such opposition and indifference as will make his visit costly and disagreeable to all concerned. In the more modern workshops especially, the Factory Inspectors are sure to get a cordial reception, and the proprietors are always anxious and willing to receive any suggestions that will improve the conditions of their workshops and will insure the safety of employees. The wisdom of this can readily be seen. As competition in manufactured goods increases, it behoves the manufacturer to produce the best article in his line, together with the greatest quantity at the least cost; and this can be accomplished only under the best physical and safety conditions for the workman. With these provided, there is no excuse for the workman not producing the greatest quantity, as well as the best quality, at the least cost. In addition, the possibility of accidents is reduced to a minimum, a feature most desirable in factory life. I have yet to find a man who would wish to contribute to an accident by neglecting to provide safeguards. But an opinion frequently prevails that because a machine or dangerous part of a mill has existed for a number of years without accident, it is proof that said dangerous parts are properly protected. This, however, is a mistaken idea. Such cases are sometimes most difficult for an Inspector to deal with, because of the rapid development of new labor-saving machinery being crowded into factories that were never constructed, either in space, light, and sometimes strength, to meet the requirements of such machines. These cases have to be fought out on opinions, as there is no specific law that could be applied to such a variety of circumstances, only in a general way. There is evident need for some change in that part of the factory laws having reference to elevators and openings leading thereto, as the present clause is so specific as to make it non-appliable, only in a general way, to many elevators now in use. In this Province, for instance, hatch doors as described by the Act cannot be used where an elevator runs at a greater speed than fifty feet per minute. This is a most important feature in that class of machinery where the exigencies of trade or space in factories make it necessary to run elevators at a greater speed than the present requirements of the law will permit. In addition to the foregoing, there are other conditions that surround the construction of many elevators, whereby the specific conditions referred to cannot be justly applied.

There is being introduced a new system of endless or belt elevators for passengers only, to which the requirements pertaining to elevators can be applied generally, and as this system is likely to come into more general use, it is my opinion that some provision or legislation should be enacted for the guidance of all concerned.

Saw Guards

During my inspection throughout the year I have always advised that proper and suitable covering or guards should be placed over all saws wherever practicable. While the circular saw is one of the most useful tools, it is also recognized as one of the most dangerous. This danger can be averted to a great extent by providing a suitable guard or covering to protect the operator, not only from the possibility of coming in contact with the exposed tool, but also preventing the piece of board or timber that

is being sawn from coming in contact with the teeth on back of saw, in the event of that part of the board being thrown forward with such force as to make it very dangerous for the operator standing in front of the saw,—as from such causes we have had many serious accidents reported, some fatal, during the past year. In making such recommendations I am frequently told by the manufacturers that they have provided guards, but their employees refuse to use them. I very often find on investigation that the employees are working piece work, and desire a free hand to make what they call fair wages, which I cannot consider as a reasonable excuse for discarding or removing the protection required in operating such a dangerous piece of machinery. It is my opinion that where an employer desires to avoid accidents or the costly experience of a lawsuit under the Workman's Compensation Act, he can enforce such regulations as will avoid many of this nature. There are other conditions of saws that more or less contribute to accidents, and the following rules carefully observed will serve as a guide for those who are not already in possession of such information:

SPEED OF SAWS.

It is very important in ordering a saw for mill work that the speed be given, both in and out of the log, as a saw has to be hammered very differently where the speed is well maintained throughout, from what it has if it makes, say, six hundred revolutions per minute when out of the log, and lags down to four hundred in the cut, or where power is deficient even a greater difference. The motion of a saw is very important, and too much attention cannot be given the same. If a saw is run at too high a speed it cannot do good work, and, besides being dangerous, high speed generates heat and makes a saw limber, and it will work only on light feed, and will work with any degree of satisfaction only when very sharp, with good square covered teeth; otherwise it will dodge the least hard substance. Too slow a speed is also bad, but it is not attended with so much danger or damage to the saw. Nine thousand feet per minute may be laid down as a general rule for the travel of the rim of a circular saw. For example: A saw 12 inches in diameter, three feet around the rim, 3,000 revolutions; 24 inches diameter, or six feet around the rim, 1,500 revolutions; three feet diameter, or nine feet around the rim, 750 revolutions. Of course, the rim of the saw will run a little faster than this reckoning, as the circumference is a little more than three times the diameter. Gang edger saws should not be less than eight gauge, and under no circumstance less than nine guage. Trimmer, slash and butting saws should not be high tempered, as they are liable to break if too hard. Saws that are otherwise all right are made to work badly by not being properly filed. This is more noticeable in small saws of eighteen inches diameter and under, the teeth having either too much hook or not enough. The following may be laid down as a general rule in giving the tooth of a saw the proper pitch: Count the teeth in the saw, divide the number into three equal parts; then draw a line across the face of saw from each marked tooth to next one marked. The front of the tooth filed to correspond with those lines will give a saw as much hook as required. Setting and sharpening are also important factors in the safety of a saw, as well as the quality of work expected, and it has been my experience that time spent in properly fitting a saw for the work to be performed is profitable both to the employer and employee.

There are other conditions that contribute to danger, and should be avoided as far as possible. For instance, in sash door and jobbing shops it is quite common to use a saw of 18 inches diameter on the same arbor or mandrel used for a six-inch saw. This is done to meet the requirements of materials of different thickness. The danger of this is quite evident. A saw properly speeded, six inches diameter, should run about 6,000 revolutions per minute. Immediately the same mandrel is put into use with a saw eighteen inches diameter, which should not run over 2,000 revolutions per minute.

Speed of Pulleys and Shafting.

Again, we sometimes find mills properly fitted up by an experienced millwright, after which new machinery has been introduced by others, and without a proper knowledge being exercised by way of ascertaining the required speed; and thereby the safety of the shafting and other machinery is threatened. The following rules will be found practical in required speeds: To ascertain the size of a driver, multiply the diameter of the driven by the number of revolutions you wish to make, and divide the product by the revolutions of the driver. The quotient will be the size of the driver. The diameter of the driven being given, to find its number of revolutions: Multiply the diameter of the driven by its number of revolutions, and divide the product by one diameter of the driven, and the quotient will be the number of revolutions of the driven. The diameter and the revolutions of the driver being given, to find the diameter of the driven that shall make any given number of revolutions, divide their product by the number of revolutions of the driver, and the quotient will be its diameter. There are practical speed indicators on the market which, with the foregoing rules, should enable any practical mechanic to set up shafting and machinery with a practical degree of safety.

Speed and Safety of Emery Wheels.

Speed is also a great factor of safety in emery wheels, and we very often find the same trouble in keeping up a safe standard speed in their regulations as we do in saws. Emery wheels, varying in size from 1½ to 36 inches diameter, and in thickness from ⅛ inch to 4 inches, and running at a speed from 550 to 10,000 revolutions per minute, are frequently put on a mandrel properly speeded for say a 12-inch stone, and, so as to equalize the wearing of the stone. When new it would be possibly 18 inches diameter, which would gradually wear down to 10 inches diameter, or possibly 8 inches diameter. Such a practice is not only dangerous but it is also very poor economy, because an emery wheel can only do good work when running at its proper speed.

Dust and Emery Wheels.

There are still other conditions of no less importance in connection with emery, grinding or polishing machines. The dust coming in contact with the operator, has a most deadly effect, and your Government has wisely made it a specific part of the Factories and Shops Act that all such must be provided with suitable exhaust blowers to remove such superfluous dust and gases as may be injurious, and I have given this matter special attention. As a result, many such machines have been properly equipped with such exhaust fans as are required by law.

Wet Grinding.

There is still another system of grinding which, I am credibly informed, is even more deadly and fatal than dry grinding. I have reference to wet grinding, on large grindstones. I have on good authority a statement to the effect that as a rule a man constantly engaged at such work will not live more than three years, although there have been exceptional cases who have lived longer. I am glad to say, however, that there is not much work of that nature being done in this Province. I am informed that in some of the States a remedy has been discovered for the dangers arising from wet grinding. At present I have not ascertained the precise nature of that remedy, but I will endeavor to do so, and if possible have this evil removed in my district as far as I can.

Exhaust Blowers and their Uses.

Exhaust blowers have been applied successfully for many other evils that infest the workshop, namely, removing dust, chips and shavings from wood-working factories. In addition to the neatness and the advantages of such a system to the workman, it re-

moves the possibility of fire from an accumulation of shavings, and the risk of chips or shavings getting into gears, causing much annoyance, and danger of breaking and of accidents. It also provides a means of removing the dust from sand-paper machines, such dust being very injurious to persons whose duties bring them into contact with the same.

Exhaust and Ventilating Fans.

Exhaust and ventilating fans are also installed in many factories for supplying hot air ventilation, and the removal of foul air, smoke and superfluous gases, all of which are so important to the health and welfare of those engaged in factory life. To this feature I have also given my earnest attention.

Saw Mills.

During my inspection of saw mills throughout the Province I find room for many suggestions. This applies particularly in the more remote districts, where men have become so accustomed to forest life as to fear no danger. I have posted in every mill and factory which I have visited an abstract of the factory laws, which clearly indicates the necessity of certain protection as required by law, and with few exceptions I had little difficulty in showing them what appeared to be dangerous or likely to cause accidents, and their duty towards providing proper protection for the same. From this source we have had some serious and fatal accidents reported during the year, one of which deserves special mention, a man being cut completely in two, on what is known by mill men as a splitting saw, used for the manufacture of shingles. As there was no eye witness to the accident, it will probably never be known just how it occurred. Such saws are provided with a carriage, on which is placed the block to be sawn; this carriage, in some mills, is provided with a lock to prevent its being moved only at the will of the operator. Some of such saws I found partly covered, and some without covering. The same applies to the lock on the carriages. I have recommended the use of all these, so as to obtain the greatest degree of security practicable. In saw mills I have also found several boys not of the required age, usually engaged in the lath or shingle departments. In most cases the fault was said to be with a third party, who was doing this work by contract, and employing his own labor; but after explaining to the proprietors of such mills their responsibility for every workman found on the premises, they readily complied with the requirements of the law.

The Lumber Industry.

On the whole, the importance and extent of the lumber business can hardly be realized by the great majority of the people of this Province, as, being so far separated from the seat of operations, big mills are to many people unknown. It may not be amiss to say that very much of an Inspector's time could be occupied with advantage in that line alone. While lumbering and mill work is considered a most healthful occupation, it is regarded a most dangerous one even at its best. The system of manufacturing lumber in operation in most mills is so rapid, that limits are quickly depleted and frequent moving or changing of mills is inevitable, which keeps the Inspector on the alert, as when a mill is about to be closed or removed it is frequently allowed to get out of repair, and is not kept up to its usual standard of safety.

Child Labor.

While there is a feeling among some that the law is being violated by the employment of boys and girls under fourteen years of age, it has been my experience that such is not really the case to any great extent. Wherever we have discovered any such violations they have been promptly dealt with, and wherever I received complaints of

such violations I have given them first attention. There are sometimes such differences in the appearance of children at that age as to make it difficult to arrive at certain conclusions. In such cases we apply for birth certificates, which can be verified only where such are registered in this Province. As to such as are not registered, we can only rely on the veracity of the parents or guardians. From my experience, however, I have reason to believe that there is little room for complaint as far as the present law is concerned

AMENDMENT TO CHILD LABOR LAWS.

Both from reasoning and observation, I believe there is still room for amendments that would but do justice to the little ones on whose future the welfare of this great Province will one day depend. It is stated by the best medical authority that the most critical period in a girl's life is between the ages of fourteen and eighteen. Such being the case, it appears to me the lives and health of the future women of this country, whom present conditions compel to adopt factory life, would be greatly improved by raising the limit to which they could be employed in factories to sixteen years of age. A law to that effect was passed in Illinois last year, not only for girls, but also for boys, and such laws also exist in many other States. This appears to me all the more necessary when we consider the condition of factories in which most of our young girls are employed. For instance, take the cotton and woollen mills throughout the Province. They have one uniform condition, whereby all employees go to work at 6.30 a.m., working until 6.30 p.m., with an intermission of one hour at noon for meals. This is continued for five days in the week, and on Saturday a half day is worked, so that on the whole the law in its present form is complied with, but at the same time we find these girls of tender years working not only ten, but eleven hours per day, in a land where stalwart men are clamoring for eight hours per day. I have been told this was done to give the poor girls a half-holiday on Saturday. I have also been told it was done so as to give the manufacturer an opportunity to make necessary weekly repairs on machinery; but, from whatever cause, it appeals to me as not being in the best interest of future womanhood. I have seen some of these little ones on their way to work at 6 o'clock in the morning, the temperature being perhaps twenty degrees below zero, with the sidewalks covered with a fresh fall of snow, in some places up to their knees, and then going into a mill heated up to seventy or eighty degrees, to remain in their wet clothing, and listen to the clatter of looms and the vibration of machinery for eleven long hours. Then, there are other kinds of factory life equally as bad for the girl or boy of tender years, such as in cigar or tobacco factories, as inhaling the fumes for nine or ten hours is certainly not in the best interests of those who should have a free and abundant supply of fresh and wholesome air, at least until their tender years were passed, and they had arrived at an age when they could put forth some physical resistance to the hardships of factory life.

This view may also be justified by the rapid introduction of labor-saving machines, whereby many not only of the children, but also of their parents, are being displaced. While on this subject I might refer to the occupations of the office boy, news boy, messenger boy, etc., which have been frequently brought to my notice as having no age limit,—in fact, no conditions or requirements. I have been asked many times during the year why is this? Are the lives of those engaged in office work not to be considered? Some offices, like some factories, may be in advance of legislation, while others may be very poorly provided I am very much in favor of the claim for legislation in behalf of that class of our people especially where we find so much indifference on the part of municipalities with regard to the proper inspection of buildings. Such indifference also creates labor for the factory inspector, who has at times to adapt himself to the duties of a building inspector.

The Safety of Buildings

Where a factory is found wanting in strength or foundation to accommodate the required load in safety, the Inspector is looked to to have such defects made good; but it is much more difficult for an inspector to discover such defects in their hidden form than it would be for a qualified building inspector to make such calculations as will guarantee safety when such factories are under course of construction. My attention has been directed to some of such cases during the past year, and for the information of those who may have the construction of such buildings under consideration or intend occupying such buildings already constructed for factory purposes, where the strength of the building is doubtful, the following weights of floors, roofs, etc., are given as the conclusion of some of the best English and American architects and civil engineers, and they have been generally adopted as a standard by prominent architects and builders. In using beams or girders to carry walls of buildings or great loads, care should be taken that the piers or walls supporting the ends of such girders are strong enough to support the weight. The pressure on a brick wall should not exceed eight tons per square foot. It will not be necessary for me to give the comparative strength of different sizes of iron or steel girders or beams, as such can readily be obtained on application to the manufacturers of such; but I will give a table showing the comparative strength of, and a safe load uniformly distributed, for rectangular white or yellow pine beams one inch thick, allowing 1,200 pounds per square inch fibre strain. To obtain the safe load for any thickness, multiply the safe load given in table by the thickness of beam. To obtain the required thickness for any load, divide by the safe load given in table for one inch:

Feet.	Depth of beam.										
	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
5	960	1,310	1,710	2,160	2,670	3,230	3,840	4,510	5,230	6,000	6,830
6	800	1,090	1,420	1,800	2,220	2,690	3,200	3,760	4,360	5,000	5,690
7	690	930	1,220	1,540	1,900	2,300	2,740	3,220	3,730	4,290	4,880
8	600	820	1,070	1,350	1,670	2,020	2,400	2,820	3,270	3,750	4,270
9	530	730	950	1,200	1,480	1,790	2,130	2,500	2 900	3,330	3,790
10	480	650	850	1,080	1,330	1,610	1,920	2,250	2,610	3,000	3,410
11	440	590	780	980	1,210	1,470	1,750	2,050	2,380	2,730	3,100
12	400	540	710	900	1,110	1,340	1,600	1,880	2,180	2,500	2,840
13	370	500	660	830	1,030	1,240	1,480	1,730	2,010	2,310	2,630
14	340	470	610	770	950	1,150	1,370	1,610	1,870	2,140	2,440
15	320	440	570	720	890	1,080	1,280	1,500	1,740	2,000	2,280
16	300	410	530	680	830	1,010	1,200	1,410	1,630	1,880	2,130
17	280	380	500	640	780	950	1,130	1,330	1,540	1,760	2,010
18	270	360	470	600	740	900	1,070	1,250	1,450	1,670	1,900
19	250	340	450	570	700	850	1,010	1,190	1,380	1,580	1,800
20	240	330	430	540	670	810	960	1,130	1,310	1,500	1,710
21	230	310	410	510	630	770	910	1,070	1,240	1,430	1,630
22	220	300	390	490	610	730	870	1,020	1,190	1,360	1,550
23	210	280	370	470	580	700	830	980	1,140	1.300	1,480
24	200	270	360	450	560	670	800	940	1,090	1,250	1,420
25	190	260	340	430	530	650	770	900	1,050	1,200	1,370
26	180	250	330	420	510	620	740	870	1,010	1,150	1,310

It should also be kept in mind that the quality of timber or joisting used should be of first importance, and under no circumstances should timber containing large knots or defective parts be allowed to enter into the construction of roofs, joisting, or beams where a standard degree of safety and strength is required. The following is laid down as the approximate weight of parts of buildings, their materials and loads:

The dead weight of a fire-proof floor will average for the arches, concrete, plastering and flooring, 70 pounds per square foot; the live weight equal to a crowd of people 80 pounds per square foot, or a total for an office building of 150 pounds to the square foot. The following loads are exclusive of weight of floors, arches or beams:

Dense crowd of people, 80 lbs. per square foot.
Floor of houses, 50 lbs. per square foot.
Theatres and churches, 80 lbs. per square foot.
Ball rooms, 90 lbs. per square foot.
Warehouses, 250 lbs. per square foot.
Factories, 200 to 450 lbs. per square foot.
Wood partitions, plastered, each side, 20 lbs. per square foot.
Ceiling of wood, 15 lbs. per square foot.
Roof of wood, 45 lbs. per square foot.

This includes atmospheric or wind pressure. A violent hurricane will sometimes reach a pressure of 50 pounds per square foot, snow, fresh fallen, 5 to 12 pounds per cubic foot, and snow saturated or slush, 40 pounds per cubic foot. Weights of building materials: Stone, 160 pounds per cubic foot; brick work, built, 112 pounds per cubic foot. Weight of brick walls per superficial foot: 9-inch wall, 84 pounds; 13-inch wall, 121 pounds; 18-inch wall, 168 pounds.

Other Conditions to be Considered.

In addition to the foregoing, there are many conditions, such as heating, ventilation, sanitary requirements, creation of power, fire protection, elevators, etc., all of which should receive earnest consideration in the construction of new factories, thereby saving the trouble and expense of costly changes on the first visit of the Factory Inspector.

Boiler Inspection.

There is no part of factory equipment of greater importance than the power house, and with that in view I have given that part of each inspection special attention. I find that many boilers in the Province are insured in boiler inspection companies, which fulfils the requirements of the law as far as the Factory Inspector is concerned; but even that part of the law has, in my opinion, a weakness that is quite perceptible, and which it is difficult to reach under present conditions. For instance, the boiler inspector, having examined the boiler, instructs that certain repairs be made, or otherwise reduces its capacity. The owner refuses, or is not willing to admit that such repairs are necessary. All that can be done is to cancel the insurance. This is something that insurance men who are catering for business would not like to do. Then, what follows? The Factory Inspector demands a certificate. It is supplied by a man who has had charge of a boiler for five years, as required by law, and yet we find no change in the condition or safety of the boiler. I venture to say that there are dozens of such men with from five to fifteen years' experience who could not answer the first practical question as to what are the component factors of safety in a boiler. In view of this, and knowing that the destruction of a boiler brings with it a great loss in property, and frequently the loss of life, I believe that such legislation should be enacted as would insure a greater degree of safety; and I would suggest that no person be allowed to have charge of a boiler who is not qualified by answering such questions as are deemed necessary and advisable to establish a practical knowledge of such an important work. Such an examination should be conducted by the chief engineer of the Government boilers, or by a Board of Examiners, and upon such questions being answered satisfactorily, the said applicant should be supplied with a certificate that would give him the right not only to run boilers with safety, but also to inspect them. This would not be an injuctice to any

person, but would establish a standard of safety that cannot be reached under present conditions. Fortunately, we have not had many accidents to report from boilers, but wherever there were such they were attended with fatality, something which is almost inevitable. In the Province of Quebec, legislation with respect to the safety of boilers is very much in advance of that of Ontario. In that Province not only the boilers in use are properly inspected, and a certificate of the nature of such inspection and the condition of the boilers and their connections are posted in the engine or boiler room, but boilers or parts of boilers under construction, and the materials entering into the same are also subject to inspection at any time during such construction or repairs, and only a safe standard of materials is allowed to enter into the construction or repairs of steam boilers. No materials are to be used in such work that are not stamped with the brand and name of the maker. Regulations were also passed on October 31st, 1895, whereby steam boilers or motors in new establishments wherever possible must be put in an outside building, separate and apart from the main building, closed in one side, and accessible only to the man in charge. It was also provided that each boiler be equipped with two safety valves and two water glasses in good view of the stoker. It is further required that all stationary boilers, whether in use in a factory or not, whose steam pressure exceeds 6 pounds, shall be properly inspected. Detailed regulations also govern stokers, motor and steam engineers, signals, oiling, cleaning and repairs, and precautions against fire, all of which go to prove the necessity of strong legislation, together with a standard degree of skill in operating the powers that turn the wheels of industry in this Province.

Fire Escapes.

This is, perhaps, the next most important feature in factory life that calls for special attention, because where a fire occurs in a factory during working hours, if suitable protection or means of escape are not provided, it is almost sure to be attended with fatal consequences. The inspector is often confronted with the argument that it would be impossible for a fire to occur during the hours of employment, as such fires usually occur at night, or at a time when the employees would be at liberty to protect themselves. While there might be some grounds for such arguments, I have yet to find a man who would be willing to accept the responsibility of a single life if his factory was not equipped with the proper fire escapes or protection, as required by law. There are many forms of fire protection that might be considered safe, some better than others, among which we might mention fire walls as one of the best. When a building is occupied by one person as a factory or workshop, and is completely separated with a fire wall, having suitable fire doors connecting each flat, and suitable stairways leading to an exit from each part of the building so separated, such an arrangement would form a most suitable fire escape, and almost guarantee safety, except in the case of an explosion, whereby the whole building would be subject to a conflagration. There is also the tower stairway, which, if fireproof, is a fair protection, provided there is a sufficient number, and convenient to all parts of the building, so as to avoid the possibility of a rush or panic. There are many other forms in use and in the experimental stage, both in Canada and the United States, as in the latter place occasions demand the most approved methods, because of the very high buildings to be protected. And as we may in the near future have such conditions to deal with, it would seem opportune to establish a standard that would be demanded in the construction of all new buildings. The present law in its amended form, calling for iron stairways, etc., is quite indefinite, as there is no specification to define the weight, size or quality of materials used, width of balcony, size of anchor bolts, angle of knee braces, quality of materials, etc., all of which are left to the wisdom or judgment of the Factory In-

spector. I believe that if a standard is to be maintained, a proper specification should be adopted for the guidance of the Inspector. I might add that, next to the fire-wall, is the separate tower, which consists of a tower separate and apart from the main building, with iron doors and balconies leading from each flat, and connected with an inside stairway in the tower, which is fire-proof, and can be used for an entrance to each flat, thereby saving the floor space otherwise that would be taken up with inside stairs. All these are features to be commended where space will permit of such construction, as outside or temporary fire escapes are always subject to the conditions of ice and snow, besides the possibility of panic, which is almost inevitable where people are not trained to such unusual descents. Many factories in my district have been provided with fire escapes, as required by law, during the past year, to which I have given my earnest attention.

Overtime Permits.

The system of working overtime is found to be unprofitable by most manufacturers, and is only resorted to as a necessity in some lines of manufacture, or because of a breakdown in machinery. Certain goods in the process of manufacture have to be finished in a limited time. Such cases, however, are so few that reference to them is hardly necessary. Other cases, such as rush orders for holiday goods, form the bulk of applications for overtime permits. Very few even of the latter have been made in my district, and this is in the face of the fact that during most of the year it was difficult for the manufacturers to procure sufficient labor to operate their works as extensively as business would warrant, which proves most conclusively that the days of long hours are a thing of the past.

Prosecutions.

I am pleased to say that in enforcing the conditions of the Factories and Shops Acts, I have not had occasion to resort to the courts during the past year, which is very pleasing to me. At all times I have been able to convince those with whom I came in contact of their duty in complying with the law, and my instructions have been complied with. I would be very pleased to have to report the same at the end of the year just commencing, because, as referred to in another part of this report, it is neither pleasant nor profitable to have to resort to extreme measures to enforce a common law that is enacted for the good of all concerned. But it must be remembered that Factory Inspectors are appointed to see that the law is enforced in reason and with justice to all concerned. If this cannot be done in the ordinary way, then we must adopt the extraordinary way, however disagreeable it may be to all concerned.

Protection of Machinery.

It is scarcely necessary for me to refer to this imperative need in factory life, except to point out some of the more dangerous machines, or parts of machines, as is borne out not only by reasoning, but also by actual facts, verified by the accidents reported to the Factory Inspectors. Buzz planers, shapers, rip and butting saws, gears revolving inward, revolving set-screws on lathe or drill chucks, collars on shafting, counter shafts, main shafts, projecting keys or couplings, are dangerous and should be securely covered where exposed to traffic. Drive or other belts are also dangerous, and should be covered wherever possible. Elevators are also considered among the dangerous parts of machinery, and their condition and operation have received my earnest attention. I am frequently told that such protection as is required by the Factory Inspector should be provided by the man who made the machine. With this suggestion I quite agree, and believe that if the manufacturers of such machines would read the report of accidents caused by them, and consider the requirements necessary to en-

sure a practical degree of safety, such as may be required by the Factory Inspectors, it would be an important point in their favor. This has been considered by English manufacturers to such a degree that an English machine, no matter how complicated, is provided with safeguards which makes it almost proof against accidents. Such safety and protection was brought about by the English factory laws, which not only compels the owners of such machines to provide suitable guards, but the manufacturers of such machines are also required to provide the necessary standards of safety before such machines are put on the market. The same conditions are finding their way into American factory laws, and are of equal importance to employer and employee in providing against accidents in a practical way. Drop presses are considered among the dangerous machines found in factories, but the working of such being largely at the will of the operators, it depends very much on themselves to avoid accidents. There are such a variety of machines in factories, bakeshops, and laundries that might be classed among the dangerous, or as having dangerous parts, that it would be difficult to refer to them separately in this space, other than to say that wherever I have discovered such machines or parts of machines as appeared dangerous, I have in each case recommended suitable guards to protect against accidents.

Bakeshops and Laundries.

This part of the Shops' Act has also received my earnest attention, and I have found that in the smaller towns and villages there has not been much to complain of, except as to sanitary conditions, which in most cases was the fault of the municipality in not having a sewerage system, whereby the conditions and requirements of the Bake Shops Act could be fully carried out. In most of the larger centres there is a strong feeling, on the part of both the employer and the employee, to live up to, if not to exceed, the requirements of the law. This, I assure you, is a most happy feature, and much appreciated by the Inspectors. Laundries may be also mentioned as institutions of much importance in this Province; but it does seem strange that no conditions are required of that class of laundries conducted by foreigners, many of whom cannot even speak the English language, but who, because of their business methods, are established in nearly every city and town in the Province of Ontario, if not in the Dominion. They are governed only by such conditions as may be directed by municipalities, which, with very few exceptions, are simply, "Hang out your sign and washee, washee as long as you please; eat, sleep, live and work in the same room, and no questions will be asked." The question frequently asked the factory Inspector, "Have you called on John Chinaman?" which is invariably answered in the negative. We have no authority to act, which does seem unjust to the man who has to comply with conditions prescribed by law.

Accidents.

Although the accidents reported throughout the year exceed in numbers those of other years, I have reason to believe they have been comparatively less in reality, which may be explained by saying that reports of accidents have been much more prompt this year than formerly, a feature I have endeavored to impress upon the manufacturers as of much importance in the factory laws. As a result, I have reason to believe that sections 22, 23 and 24 of the Ontario Factories Act have been fairly complied with. A report of such accidents is appended to this report, and should be carefully read by every manufacturer, as well as by the manufacturers of such machines as have contributed to the accidents,—by the first, because in that way he may learn of accidents that have happened by ways and means which to him had appeared perfectly safe, and thereby give him an opportunity to provide such protection as would prevent the possibility

of accidents from such a source. They should also be read by the manufacturers of such machines as contribute to accidents, so as to enable them to more fully understand the dangerous parts of such machines, and realize their duty towards providing such protection as will prevent these painful results. As the safety of a machine is of utmost importance in factory life, it should be a most important feature for the manufacturer of such machines to provide the greatest possible degree of safety practicable.

Legal Decisions.

Following are some legal decisions affecting manufacturers and their employees, which should be of special interest to those concerned.

A. was employed in a paper mill, and in the course of his labor was obliged to climb a ladder and step over the rim of a wheel onto a plank, where he was do do his work. As he was coming from his work, another employee took the ladder away as he was about to step on it, and, losing his balance, A.'s foot went through the spokes of wheel, seriously injuring him. He sued his employers for damages, alleging that the accident was caused by their negligence. The jury found that such was the case, and that A. had exercised proper care, and that the employee who had removed the ladder was only negligent to a certain extent, as the wheel should have been properly guarded, and the ladder securely fastened, so that it could not be removed. The employers appealed from the judgment on these findings, but the Court held out that they were warranted by the evidence. It was considered, however, that the damages were excessive, and a new trial was ordered, unless the plaintiff would consent to a reduction in the damages allowed.—Judgment of the Court of Appeal for Ontario, April 12, 1902.

The following legal decision is one of the Province of Quebec, but as I have in another part of this report referred to the speed and dangers of emery wheels, I believe it useful to quote the case in this report: A., working for B., while engaged at an emery wheel, was killed by the breaking of the wheel. A.'s relatives sued B. for $20,000 damages, alleging that while the emery wheel was only guaranteed to make 1,050 revolutions per minute, at the time of the accident it was running at 1,700 revolutions per minute, and that such excessive speed was the cause of the accident. In defence B. claimed that A. had no right to run the wheel, and had been forbidden to do so. It was found at the trial that A. was competent to run the wheel, and had been ordered to do so by the foreman. A jury awarded $4,000 to the widow, and $100 each to deceased's father and mother.—Judgment given at Montreal, January 15, 1902, by Justice Dougherty.

Ontario Cases.

A. was employed by B. to work at a boring machine. A.'s left hand slipped over the end of the shifter, and was drawn into the cogs, crushing two fingers. A. sued for damages, alleging that the said cogs or gears were not properly protected. The case was tried with a jury before Justice McMahon, who found that the gearing of the machine was dangerous, and could be practicably guarded, and that B. was negligent in not providing such guards. Awarded damages $125, with costs.

A boy working in a furniture factory, together with another boy, put his foot under a table to touch a peg which would stop a saw. There were three saws under this table, and the boy's leg coming in contact with one of them, seriously injured his knee. He sued for damages. At the trial the Judge found that the boy had no instructions to touch the machine, and had no right to do so, and therefore the employers should not be held liable for the accident.—Judgment by Justice McMahon, Ottawa, January, 1902.

The following legal decision should be of special interest, as it is a case where a man outside, and not an employee, became the victim of an accident, and sued the proprietor, collecting damages, as it was maintained that the proprietor of such premises should use the necessary precaution to guard against accidents: A. was employed as a teamster delivering coal. While on the premises of a certain manufacturer, in the discharge of his duty, he was struck in the eye by a chip flying from a chisel in the hands of an employee of said factory. A. sued the owners of factory for damages, alleging that the accident was caused by the dangerous condition of their premises, and that the accident could have been avoided by putting a proper screen around such a place to prevent such chips from flying at random. A. was awarded $400 damages. The defendants appealed, but the Court held that the conclusion of the jury was supported by the evidence, and that it was the legal duty of defendants to guard against accidents arising from the condition of their premises.—Judgment by Court of Appeal for Ontario, May 8th, 1902.

A boy working in a factory under the direction of a foreman, and employed near a dove-tailing machine, put his hand on the machine to remove some shavings, and got caught in it, losing one of his arms. He sued his employers for damages, alleging that the machine or knives of the machine were not properly guarded. The jury decided that the claim was borne out by the evidence, and that the boy had used reasonable precaution, and therefore awarded him $500 damages. The presiding Judge dismissed the action, notwithstanding the finding of the jury, being of the opinion that the only question was whether or not the boy was capable of understanding the danger of such machines. From this ruling the boy appealed. The High Court decided that since the object of the Factories Act in providing that all dangerous parts of machinery should as far as practicable be securely guarded, was for the protection not only of those operating the machinery, but also for those whose work brought them near it, and since the employers in this case had neglected to provide the proper protection, it was their neglect that contributed to the accident. The Court of Appeal also stated that there was no hard and fast rule as to the age at which an infant should be held to be capable of understanding danger, and as the jury had found the boy used reasonable care, considering his age, such finding negatived the suggestion of contributory negligence. The Court therefore reversed the decision of the trial Judge, giving the boy $500 damages, with costs.—Judgment by the Court of Appeal for Ontario, April 11th, 1902.

A. was employed as a general laborer in a saw mill, and his principal duty was to keep the boiler supplied with fuel. Among the machinery in the mill was an ordinary circular rip saw, fixed in a table with counter-shaft and tight and loose pulleys, the driving belt being connected with pulley on main shaft. While A. was attempting to rip a piece of board about 6 inches wide by 2 feet long, his left hand came in contact with saw, which resulted in the loss of two fingers. A. alleges because of the absence of a guard over the saw, and because there was no proper belt shifter, the owners contributed to the accident. The defendant claimed that a guard or hood over the saw was not practicable, and would cause great inconvenience in operating the saw, and the belt shifter was not a necessary device that defendants could be compelled to attach; and that if such defects were proved the plaintiff must fail on the ground of contributory negligence, as he did not understand operating the saw, and had been forbidden to use it, and that the accident would have been avoided by ordinary care and intelligence. The action was dismissed.—Judgment by Justice Teetzel, Toronto, July 31st, 1903.

A young woman was employed in a laundry, and, while operating a machine known as an mangle for ironing clothes, got her hand caught between the rollers, causing serious injury. She brought action to recover damages, alleging that the machine was

not properly guarded. The evidence as to whether a guard was on at the time of the accident was conflicting. The machine with the guard on was shown to the jury, who decided that the guard shown was defective, and not sufficient to prevent an accident, and the plaintiff was awarded $422.80 damages. The employers appealed to the Divisional Court, but the Court held that the verdict was justified by the evidence, and confirmed the judgment.—Judgment by Divisional Court at Toronto, June 13th, 1903.

A. was injured by the falling of an elevator which he was using in the course of his work, and was seriously injured. He sued his employers to recover damages, alleging that it was known to their manager that the elevator was not in a safe condition, as a year prior to the accident he had informed the manager of such defects. The jury decided that the cause of the accident was the general dilapidation of the elevator machinery, and therefore awarded damages $3,150.—Judgment by Justice MacMahon, at Toronto, April 16th, 1903.

An important legal decision was given by Chief Justice Meredith in September, 1901, affecting the liability of employers where an employee belongs to an insurance or provident society, accepting a clause debarring such beneficiary from his rights under the Workman's Compensation Act. The Judge held that such an agreement does not debar the holder of such policy from collecting damages.

The Ontario Factories Act provides that a child or young girl shall not be allowed to work between the fixed and traversing part of any self-acting machine while the same is in motion. A girl fifteen years of age was employed running a stamping machine for some days, after which her hand got caught, and it was so badly injured that amputation was necessary. The father of the girl sued the employer, claiming that by reason of the Factories Act he was liable for damages while she was so engaged. The trial Judge held that it was necessary to prove some other negligence that might have directly caused the accident. There being none, he dismissed the action. The father appealed the case, and the Court of Appeal decided that the mere fact that the employer had allowed a girl under the age of 18 years to work at such a machine, contrary to the Factories Act, was sufficient to render him liable in damages for any accident that might occur.—Judgment by the Court of Appeal for Ontario, September, 21st, 1901.

A. was employed to operate a paper cutting machine, after having been in charge of the machine for some days under instructions from the foreman as to the mode of operating the machine, as follows: The operator stands in front of the machine, placing upon the table of machine the block of paper to be cut. By a double movement of the starting lever the power is connected, a clamp descends which holds the paper fast, followed immediately by a knife which cuts the paper as required, after which the clamp and knife return automatically to their former position and remain locked in that position until the operator would again repeat the double movement of the starting lever. On June 19th, 1902, A. placed a block of paper on the table to cut in the usual way, and as the knife was ascending proceeded to turn it around so as to trim the edges of another cut. In doing this his hands were under the knives, which unexpectedly and without having been set in motion, fell, severing one of his hands and badly mutilating the other. As the machine had never acted so before, he had no reason to expect it would do so. The case was tried by a jury, which decided that the injury was caused by some defect in the machinery, which was known to the foreman, and that the foreman was negligent in not having such defects made right. The jury also stated that they could not state just what the defects were, and awarded $2,500 damages. The employers appealed, and the Court of Appeal directed that there should be a new trial, as it was the duty of the jury to find

not only the cause of the accident, but also the defective part of the machine, and suggested that both Judge and jury should at the next trial see the machine operating.—Judgment by the Court of Appeal. Toronto, September 14th, 1903.

A list of accidents reported during the year which occurred in my district is also appended herewith.

All of which I have the honor to submit.

Yours respectfully,

THOMAS KEILTY,
Inspector of Factories.

FEMALE INSPECTOR OF FACTORIES.

To the Honourable, the Minister of Agriculture:

Sir,—I have the honor to submit to you the following report of work done during the past year in the Province of Ontario, having completed the inspection of factories, work shops and mercantile establishments for the year 1903.

In reviewing the work performed since the last report, there is very little to add to the general duties that are required in factory inspection.

Most of the manufacturing, mercantile and other establishments employing women and children have been inspected during the past year, and in many industries several visits have been made. It has been impossible for me to inspect often all the work-shops.

This report does not set forth all the work done during the year, nor can any report that I may make fully describe it, as much of the work of the Inspector does not appear on the surface. Complaints and other troubles which call for mediation rather than law make a large demand upon our time.

I am pleased to be able to say that the factories and work shops are very much improved since my last report.

I also find that manufacturers are coming to the conclusion that the factory laws are a benefit to them, instead of a hindrance.

The year has been one of more than usual activity, owing to the increase and greater development of manufactures.

New factories have been built, others have been enlarged and improved to meet ever-increasing demand for goods.

The increase of establishments of various kinds entails a vigorous and careful inspection

Hours.

As a rule, the working hours are well observed. In many factories they begin work at 7.30 or 8 a.m., quitting at 5.30 or 6 p.m. The owners of these establishments have assured me that they get as much work out of their help by giving them easy hours as by forcing them to labor sixty hours per week. It would be very desirable to see their example followed by other employers.

I know certain factories whose owners, in order to give their help a half holiday on Saturday afternoon, begin work at 6.30 a.m. I am told that these hours have been arranged at the request of the employees themselves, but does that make it any less injurious to their health? To get to the factory at 6.30 means rising at 5.30 a.m. for those who reside at a distance. In towns where there is no street car service, it means a long

walk, at an hour when the cold is most intense in winter; but, above all, it means an interval of six or seven hours between a hasty breakfast and a cold dinner. Is not this undesirable in the case of young girls and women? Do they not earn their holiday at the expense of their health? We have occasionally to contend with the illegal employment of women during the meal hour. The practice of some manufacturers only allowing one-half hour for meal at noon, practically necessitates the meals being taken on the premises.

So incessant are the complaints on this score, from the girls, and so greatly does this matter tend to ill-health, that I have paid special attention to it. Food is eaten in a hurry, under very disagreeable conditions, with little or no convenience for warming it.

I do not believe it can be to the advantage of any employer to shorten or trespass on the prescribed meal hour at noon regularly in this respect. I believe it to be essential to health to have the full hour at noon. I have observed in many work-rooms that meals are taken in the same room as is used for a work-room, and I have seen girls dining in small, dark, cold basement rooms, thus spending the precious break in their working day under conditions as bad, or even worse, than the work-room they have just left. But I am pleased to say that there are some firms who provide a warm, comfortable lunch room, with tea, coffee and vegetables cooked and supplied at a very low figure; and some have gone further and provided a library, and some have arranged a large recreation-room, with a piano and games. I have always urged upon manufacturers the necessity of providing a room for their girls, or allowing them some change for the hour. By this means workers will get a change of scene, and certainly work better for that change. I have also held that work-rooms should be thoroughly aired twice a day for at least half an hour during the noon hour, and after the day's work has been finished or before it has begun.

The saleswomen in the dry goods stores are perhaps more unfortunate than females in the mills or work shops, for the spinner can seek a few minutes on the window-sill, but the girl behind the counter must remain upright and alert, and must likewise keep her discomfort from betraying itself in her face. I think the law should require mercantile establishments to send to our department a written notice of any accident to an employee. There are elevator accidents. No company should employ or permit any person under a certain age to have the care of operating an elevator.

Overtime.

Illegal over time, with its evils of concealment, die hard in some trades, and it appears doubtful whether these offences will ever be eradicated from the ranks of makers of wearing apparel. The evil which arises from women and young girls employed in work shops taking work home, after having worked their full time in the factories, is simply an evasion of one of the important principles of the law—that all overtime work shall be regulated, controlled and carried on in a recognized manner, and under conditions which shall be properly ascertained. If the over time work could be done at the will of every individual employer in the worker's own home, the whole spirit of the Act would be violated, and a grave injustice imposed on those employers whose proceedings in this respect are regulated and limited by the "over time" regulations.

Complaints.

Some complaints have been made to me of factories where women are employed running over time without permission.

Upon investigation, it proved to be a misapprehension of the meaning of the statute regulating the hours of labor so as to give a shorter day on Saturday.

Some complaints are individual, dealing with personal grievances, and in no way connected with the duties of Factory Inspection.

Very few proceed from trade unions or any body of men who may be supposed to sift evidence before accepting it as trustworthy.

I have had some complaints from occupants of cold work rooms, especially dressmakers and milliners. The girls sit all day long, with very little motion of the body to create natural warmth, and I have always pointed out that it must be detrimental to their health to work in a cold room, and must mean a loss of labor to the owner.

I had a complaint the other day of a workshop where the rooms were very cold. There was no way of heating the rooms, only by stoves. I took the temperature, and found it registered 42 degrees.

Some complaints have reference to matters over which, as the law stands, an Inspector has no direct power.

I would again state the unsatisfactory condition of offices where women are employed in clerical work in the city. As a rule, little or no provision is made for women regarding separate conveniences. I continue to receive complaints of charging the operators with thread used in the manufacture of women's clothing. Workers feel it quite as unjust to have to make a separate payment for that as to have to submit to a reduction of wages. I have given strict attention to all complaints of infringements of the law in connection with women and children's labor.

Clothing.

Most of the tailors' workshops have very materially improved during the year, but there is still much to be desired in the workrooms of contractors for the manufacture of clothing. The cuttings, the dust, the ashes, the coal, and the garments, finished or unfinished, all claim the right to a place on the floor. We leave our instructions for a general clear-up, and on the next inspection the contractor has removed, and his successor does exactly as he did.

Some of these workshops have been located in buildings entirely unfit to be occupied. Rooms are poorly ventilated, walls and ceilings are dark, and floors are old and dirty.

Where there are so many separate occupiers in one building, it is difficult or impossible to get the whole place systematically and regularly cleaned and kept in good repair. Wherever I have thought it necessary I have measured some of those workshops to ascertain if each individual had sufficient cubic air space. But from all this it must be evident that provision for a constant and plentiful supply of fresh air, and the removal of that which is vitiated, is of far greater importance than the actual cubic space per head of the occupants.

There have been no gross cases of overcrowding come under my notice, although some amount is constantly found.

In workshops where clothing is made, it is very difficult to estimate the amount of cubic capacity, in cases where made-stock is piled up and the amount of stock varies from day to day.

I am satisfied that the idea has been impressed on most of those contractors that they must keep their premises in a reasonably cleanly condition, if they are to continue in the manufacture of clothing. It is to the machinist in the manufacture of grments that the use of electricity has brought great relief. The employment for ten hours per day with her foot on the treadle, is now very much reduced, and the work is rendered very much lighter by the change.

Light.

Good eyesight is a blessing which all of us should appreciate, and if one has to work at a close and trying occupation, good light should be provided.

The proper lighting of workrooms should be considered as carefully as the placing of safeguards on dangerous parts of machinery, or guarding of elevator openings, or the ventilating and observing of proper sanitary conditions. Architects and builders should be thoroughly familiar with the peculiarities of the business intended to be carried on in the buildings, and, as near as possible, of the probable location of machinery.

An illustration of the effect of badly lighted workrooms came under my notice when recently visiting some printing works. The folders had been for some time employed in the basement workrooms, but just a few weeks previous to my visit had been transferred to the ground floor. Immediately they began to complain that the light hurt their eyes. This instance of the weakening effect of dark rooms on the eyesight gives an additional reason for hoping that employers may discontinue the use of dark rooms.

Laundries.

I am glad to be able to report a marked improvement in the conditions existing in laundries. Some of the old ones have transferred their machinery from the unsanitary and inconvenient buildings to new premises, where greater air space and better ventilation is obtained. With this additional space between machines more efficient guarding is possible.

Some difficulty is still experienced in the question of guards for wringers and collar machines. These are the chief cause of accidents in laundries. In fact, one might almost say, the only cause. The increased use of electricity for power, as well as lighting and heating, is of great benefit. The heating of irons by gas is one of the frequent sources of danger to health in laundries ; also defective fittings in unventilated or insufficiently ventilated workrooms with gas heaters. The large amount of gas heaters used in laundries for the purpose of heating machinery is likely to be very hurtful to health, unless great care is taken to ensure that the fittings are in proper repair, and that a good and wholesome type of a machine is used, so that unconsumed particles of gas do not escape into the atmosphere.

It is to be remembered that, except at meal time, this gas is used all day long, and that at night the atmosphere of a room in which a quantity of gas-heating machinery has been running is very oppressive. The girls bend over the machinery or the gas-heated flat-irons all the time. Complaints are often made that the fumes hurt their eyes, give them headache, and that they even taste gas.

There are a number of laundries in the Province carried on in connection with religious institutions. At the request of some local authorities concerned, I have visited several of them during the year. In each case I found the premises scrupulously clean, very well ventilated, and the workers appeared well cared for, contented and happy. I was able to make some suggestions respecting the fencing of machinery, which were gladly received and acted upon. In fact, the one object of those in charge appeared to be the care and well-being of those employed.

In no case did I find the hours of work excessive. As a rule, they were under, rather than over, the limit allowed by the Factories Act. At each institution I was most courteously received, and requested to visit them again

Children.

The law relating to the employment of children has, generally speaking, been complied with, except in a few cases where I found children under fourteen years of age at work. When the employers' attention was called to the matter, they were discharged at once. It is with the parents of children that we seem to have the greatest difficulty. There are a number of such who are willing to commit perjury in order to keep their children in the factory ; and when of doubtful age they have no hesitancy in

not only misrepresenting the child's age, but also of putting a falsehood into the child's very mouth, thus teaching it to be untruthful—the very first step to the degradation of its morals.

I have frequently found, after the dismissal of some child under legal age from one factory, the same child is found elsewhere within a very short time. Upon investigating we invariably find it to be registered as having passed the legal age.

I think it is the duty of the Inspectors to begin a series of prosecutions against the inhuman parents who will falsify themselves and educate their children to be untruthful in order to keep the little ones at work, in violation of the law.

I am sure all the Inspectors have had their hearts touched with sorrow many times by the tales of woe and distress that have come to them, and while we may sympathize with those people in their pleas for us to allow their children to remain at work, we must not forget that legislation is for the masses, not for a few: and in enforcing the law we should be mindful of the interests of the people, and the effect the law may have on future generations. Thus, we do our duty, for we are our brothers' keepers. The debt we owe our ancestors can only be paid by giving the children the opportunity to be even better than their fathers.

Ventilation.

This is, of course, an old subject. It has to be repeated; it is always with us. I think it needs no argument to demonstrate that man was intended by the Creator to breathe pure air; therefore, breathing other than pure air is a violation of law, and by so doing we must suffer the penalty.

The only essential of life which the operator partakes of in the factory is air and water, and the question first of all is, are the arrangements for the sufficient supply of pure air and water as satisfactory as they should be? We Inspectors try to remove everything calculated to contaminate the air we breathe and the water we drink.

There are an increasing number of industrices calling for special means of ventilation,—more than the ordinary doors and windows. Men and women are employed in these factories, some of which have no machinery. They are more in the line of workshops than factories. They consist of the upper rooms of an ordinary dwelling house, the ground floor being used as a shop.

The introduction of small electric fans has proved to be a valuable help to these rooms.

In the blowing room of electric light lamp factories girls are largely employed. The work is in many ways suited to women, requiring deftness and quickness in working, but the intense heat from the bunsen burners, over which the workers bend continually, is very trying, and ventilation is a difficult matter, owing to the importance of having the flame burn quite steadily.

It is surprising to find what little attention is paid to adequate ventilation in some of our new factories. The usual way is to rely entirely on the windows, with the result that in very cold weather the windows are kept shut. The rooms become sealed boxes. This is especially the case in clothing factories, owing to the large number of hands in the operating room. The problem of ventilation should be carefully gone into when the building is designed, and not left to be sought out after the building has been in use for some time.

Much of the difficulty encountered at the present time regarding ventilation will disappear when buildings are constructed on true scientific principles; because it is difficult to get the owners to go to the expense of providing special inlets for fresh air, or having the air warmed as it enters the room. The attitude of many women and girls when at work in some industries, bending closely over the material, so that the dust

rises directly into their faces, causes it, we would suppose, to be readily inhaled. We consider this to be a special element of danger to health.

The effects of breathing and re-breathing an atmosphere thus charged with harmful matter are not hard to seek.

The need of some effective means of cleaning dye houses of the dense fog caused by the condensation of steam in cold weather, in some of our mills, hardly requires commenting upon. The ventilation of workshops is not so satisfactory as in factories, and leaves in many cases, in particular those of the smaller type, much to be desired.

Pure air is absolutely essential to good health, and the air of our factories and workshops should be made better, at whatever cost. Even some of our mercantile houses are not so well ventilated as they should be.

It should be remembered that economy of money is not always economy of health.

It is to be hoped that in a short time every work room will be so ventilated as not to threaten the best essential of good work., that is good health.

Sanitation.

Much time has been devoted to the interests of sanitation in factories and workshops, as the enforcement of this law is of vital importance.

Considerable progress has been made, and good results have been accomplished. I must say that the general standard of sanitary accommodation has certainly improved during the past year. Several cases where there was insufficient accommodation have been remedied by new closets being added and properly designated. Still, there are many factories employing large numbers of women where the requirements of suitability in its wider sense has been completely ignored. The securing of perfect privacy for women and girls is often more difficult than to secure guards for machinery. Nothing has been done to preserve the nice feeling which exists in almost every woman from being blunted or lost, by the compulsory use of those conveniences.

It is pleasant to record that the provision for washing appliances is steadily growing, and in a number of factories the arrangements are really admirable, and show the greatest consideration on the part of the employers for the comfort and convenience of their employees.

Suitable and cleanly arrangements should be maintained in every factory to enable workers to change their clothes and secure personal cleanliness.

Soap and towels should be included in the washing conveniences, and should be such as to enable each person to wash in clean water.

The old evil conditions, where girls coming long distances in winter sat in a cold work room, on their arrival, with windows and doors shut, and gaslights lit, until the heat of their own bodies and the gaslights raised the temperature, are going out, I trust, forever, and with them the heavy, aching heads and oppressed sensations at the close of a day spent in a room in which the air is thoroughly vitiated and reeking with gas fumes.

The adoption of the more sensible plan of warming the room thoroughly before the arrival of the workers, and gradually reducing the temperature as the day advances, and the room becomes hotter, is not a whit less economical than the old plan. It leaves the workers at the end of the day with heads clear and spirits still unflagging.

I would again repeat that there should be a sufficient number of spittoons placed in the various parts of every workshop and factory.

Men very often expectorate on the floors in factories. These expectorations dry up, and the germs they contain are lifted up either by the working woman's skirts or by the sweeping, which is nearly all done without watering. These germs mix with the atmosphere, and much affect health. I have always urged manufacturers to have the

rooms sprinkled with water before being swept, instead of practising , the Rockland and to have the sweeping done at night, after the departure and before th ved by their fath- operators. stance. In every

The necessity of sewerage system in many towns in Ontario has been inform- years, felt to be urgent, and much has been written and said about it, at ctive , as they another, without, however, very much having been done. Water supply and se positive are inseparable, and a city with one and without the other cannot long exist me to healthful condition. These sewers are necessary to remove the foul liquids, and kes- water is necessary to flush and cleanse the sewers. of or

Municipal corporations have made financial investments, and derive good revenue from waterworks, gas works, and electric lighting. Public money invested in sewers has in Ontario given greater returns in increased health. Notwithstanding the great efforts of Medical Health Officers and Medical Boards of Health, there is a good deal of complaining regarding the conditions of well waters in towns and villages where there are no waterworks. The wells should be submitted to very close examination, and the water tested. Sparkling clearness of water is not always an evidence of its purity. All impure wells should be filled in.

The bad practice of licking labels in labelling tin boxes filled with different kinds of powders and other goods is to be deplored. The tongue should never be used for that purpose In one establishment I saw a cup of water on the centre of the table, and I thought it was intended for moistening the labels, but was informed that such was not the case. The workers told me that they always dampen by licking. This caused such thirst that they needed this cup of water for drinking purposes. In many places it is the rule for women workers to be placed under the charge of overseers of their own sex,and there are many good reasons why this should be adopted. In many factories where male and female are employed, there are exceptionally strict rules. The males and females enter the factory by different doors, and the women are dismissed after work several minutes before the men. This may be regarded as tending towards theextreme of Puritanism, but to those who know the workings of factory life, and the opportunity it affords the unscrupulous in places of authority to influence women dependent upon their good-will for the means of earning the necessaries of life, no precaution that may effectually guard women against such temptations can be excessive.

Young girls require a deal of persuading before they will consent to tie their hair out of harm's way during working hours. I spoke to one recently and she replied: "Oh, no one has been hurt here." A small shaft was running in a machine within reach of her hair. One girl had part of her scalp torn off when sweeping under a machine.

I have strongly urged employers to insist on the precaution in the case of girls working in a room with running machinery, to forbid the wearing of loose blouses and sleeves, hanging ends of neckties and aprons, and to bind their hair.

There is a section in the laws of the Province of Quebec where girls in industrial establishments shall wear their hair pleated and fastened to their heads, so that it will not come in contact with the moving shafting of machines, or with the substance or material they are handling.

The work of the Inspector must be continuous in order to maintain the proper standard. Conditions may be entirely satisfactory upon compliance with the direction of the Inspector, but it cannot be assumed that they will always remain so.

Tours of inspection involve a vigilant oversight of all matters which come within the scope of our cuties, and require that we shall frequently go over the same ground. Our work is not, as many suppose, confined to the visits of the factory. It is not an uncommon thing to visit the factory several times for one reported inspection, and in

rises directly into thwe visit the factory in which the accident occurred, and the injured consider this to be home or in a hospital, or wherever they may have been taken. All

The effects ofire a great deal of time, tact, and patience.

ful matter are pain repeat that I am continually coming across workshops of which, al-

The n thoy have been in existence for some time, no notice of occupancy had been the cond our department.

mentin copy of abstract, with Inspectors' addresses, has been posted up in every factory leaves workshop, as far as possible, where persons are employed who are affected by e provisions of the Factories or Shops Act.

wo

hc I have the honor to be,

Yours respectfully,

MARGARET CARLYLE,

Inspector of Factories and Shops.

EASTERN DISTRICT.

To the Honourable the Minister of Agriculture:

Sir,—I beg to submit herewith my report of inspection of factories for the year 1903.

During this year I was pleased to notice a better disposition on the part of employers to carry out the suggestions I have made for the better protection of employees, and to comply with the requirements of the law. At the Rockland and Hawkesbury saw mills more attention was paid to placing and maintaining guards on machinery of a dangerous character, and as a result there has been no accident during the year in these two mills. At a sash and door factory in Vernon, the polishing machinery was not supplied with any apparatus to carry off the dust, and it was admitted to me that this was a source of trouble and annoyance. I have ordered that fan and suction pipes be placed at once. The proprietor promised to attend to it without delay. Several saw mills and factories which I have visited while inspecting I have found equipped with machinery and boilers of a dangerous character; in most cases the boilers used were second-hand, which had been removed from larger factories. In every one of these cases where I considered the machinery of a dangerous nature I made some suggestions, and ordered more protection; but owing to the fact that in these factories there was not a sufficient number of hands employed to subject them to the operation of the Act, I have not been able to enforce them, as in most of these factories the proprietors have more regard to economy than to the protection of their employees. It would be very proper to have the Factories Act applied to them, regardless of the number of hands employed, and I have no doubt that it would have the effect of decreasing the number of accidents which occur. I have found one mill in Casselman somewhat improved, but not to a sufficient extent to remove all complaints made by the residents in the village. As this factory does not come under the control of the Act, I have been unable to enforce my suggestions; but I have so far succeeded in obtaining several alterations. I expect, however, that before long they will employ a sufficient number of persons to place it under the control of the Inspectors, when it will be possible to enforce the provisions of the Act.

During this year I have noticed many children employed in factories. I found one boy twelve years of age working in a cheese box factory with his father, but on being informed of the minimum age at which children could be employed, the father

promised to send him to school until old enough to be employed. In the Rockland and Hawkesbury saw mills I have found two or three in each place employed by their fathers, who were performing labor by contract and supplying their own assistance. In every case I ordered these children to be dismissed without delay. I have been informed that in some instances children are employed after my visit of inspection, as they do not expect the Inspector back for some time. I have endeavored to secure positive information in these cases, but I have failed to secure such as wound justify me to take proceedings against the employer with chances to secure conviction. In Hawkesbury a new factory for ready-made clothing had just been established a couple of months previous to the time of my inspection, but just at that date it was closed for one week, and I could obtain but little information from the persons in charge at the time.

Several accidents have been reported to me from the Riordan Paper Mills. Accidents have occurred so frequently during the first part of the year that I have drawn their attention to it, and informed them that I consider the frequent repetition due to the lack of proper supervision, especially in one case where an employee subject to fits met with a fatal accident during one of those fits. I ordered them to employ no such person in future. In this factory I had again to complain of one room in which three or four persons are constantly employed, and where the temperature is extremely warm (say about 90 degrees), and in all adjoining rooms the temperature being below freezing point. I have noticed at almost every inspection some of these persons going for a few minutes into the cold rooms when overcome with the heat, and I have learned that several persons have in this way contracted severe colds, which kept them from work for several weeks, and some were reported to have contracted consumption. The company has promised to provide some ventilators to regulate the temperature in these rooms.

All factories I have inspected are kept very clean, and are provided with all proper accommodation, and with complete fire extinguishers, and sufficient exits and fire-escapes to fully protect the employees in case of accident. Again this year some factories were temporarily closed for repairs and from other causes. It would be advisable to leave in all factories blank notices, which could be filled and sent to Inspectors when factories are closed and opened.

I am pleased to report that in all factories I have visited I have noticed much activity, and the expectation of increased trade.

The following is a list of accidents which have been reported to me during the year :

In the Riordan Paper Mills, on February 16th, 1903, a brick boiler flue burst, and in falling caused injury to three persons—Robert Robinson, scalded, and F. H. Brown, flesh wounds, both of whom, although seriously injured, have recovered; the third, Avila Ledne, was stunned by falling bricks and suffocated by steam. In the same factory, on the 26th of March, Oscar Fanvelle, aged 19, broke his arm, running it into the reel winding up the dried sulphite. And on the 29th of June E. Lavaque, during a fit, fell on a travelling belt, and received injuries from which he died. On the 30th June, in the same factory, Isidore Lacour, helper to a plumber, had his face badly burned by gas, which he ignited with a match, in searching for the escape. This accident was reported to me only after my request for particulars, as I had knowledge of the accident when it occurred ; none have occurred to my knowledge, or have been reported to me since my letter to them, which convinces me that more care is taken to prevent them. I have also been informed that the supervision has been more vigilant, with a view to prevent the occurrence of any accidents. I must say, however, that in all cases of ac-

cident the company takes entire charge of the victims, and procures for them the best and most skilled treatment at their own expense, and in case of death they provide for one year's salary to the family, and funeral expenses.

I have the honor to be,

Yours most respectfully,

O. A. ROCQUE,
Inspector of Factories.

Hawkesbury, Ont., July 9, 1903.

Dear Sir,—Your recent letter was duly received, but the writer having been away for a couple of days since, we are only able to reply to-day. The inquest had already been held, and we are mailing you separately a press report of the proceedings. We did not know that Lavaque had fits, as it was only at his death that this infirmity became known to us. We consider his family should have advised us about this. While it was known to the men in the mill, it was not known to our foreman or our Superintendent, otherwise we certainly would not have employed him anywhere that accident might occur through this difficulty. Now we hope that the accidents may be very much diminished. We are certainly doing all we can to prevent them.

We beg to advise that an accident occurred on June 30th to Isidore Lacour, aged 18, who was a plumber's helper, and while burning lead with a gas burner, he unwisely lighted a match to ascertain whether there was any gas escaping, which ignited the gas, and the flame burned him in the face and eyes badly. We understand that his eyesight will be saved. He was taken to Dr. Buller, the celebrated eye specialist in Montreal, and our report is that he will have the use of his eyes. The burns on his face are only slight.

Yours truly, THE RIORDAN PAPER MILLS, LTD.

ACCIDENTS REPORTED

IN

1903

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employer.	Place.	Business.
1	Jan. 7	Waterloo Mfg. Co., Limited	Waterloo	Engines, etc.
2	" 17	Bell Organ & Piano Co	Guelph.	Pianos and Organs
3	" 13	Canadian Colored Cotton Mills Co	Hamilton	Cotton Mills
4	" 10	Gutta Percha & Rubber Mfg. Co	Toronto	Rubber Goods
5	" 20	Staunton's, Limited	"	Wall Paper
6	" 21	Joseph Beaumont	Glen Williams	Knitted Goods
7	" 23	The Elliott Mfg. Co	Toronto	Fancy Boxes
8	" 29	Wm. Gray & Sons Co., Limited	Chatham	Carriages, etc
9	" 21	The Parisian Steam Laundry	London	Laundry
10	" 27	Jones Bros. & Co	Toronto	Show Cases, etc
11	Feb. 4	D. L. Perrin & Co	London	Biscuits
12	Jan. 14	The Lang Tanning Co	Berlin	Tannery
13	Feb. 6	Williams, Greene & Rome Co	Berlin	Shirts, etc
14	" 11	Victoria Wheel Works	Galt	Patent Wheels
15	Jan. 25	Gutta Percha & Rubber Co	Toronto	Rubber Goods
16	Feb. 13	Massey Harris Co., Limited	"	Implements
17	Jan. 9	Geo. McLagan Furniture Co	Stratford	Furniture
18	Feb. 14	Disney & Devlin Mfg Co	Hanover	Chairs, etc
19	" 14	Columbia Handle Co	London	Handles
20	" 18	E. Leonard & Sons	"	Engines, etc
21	Jan. 13	Kilgour Mfg. Co	Hamilton	Wood Printer
22	" 29	"	"	"
23	Feb. 14	McGregor, Gourlay Co	Galt	Woodwork Machinery
24	" 24	Bertram Engine Works Co	Toronto	Engines, etc
25	" 24	Massey-Harris Co., Limited	"	Implements
26	" 27	Canadian Colored Cotton Mills Co	Hamilton	Cotton Mill
27	" 26	Canada Furniture Manufacturers	Woodstock	Furniture
28	" 26	Massey-Harris Co	Toronto	Implements
29	" 21	Reid Bros. & Co	London	Paper Boxes
30	Mar. 5	J. H. Still Mfg. Co	St. Thomas	Axes, forks, etc
31	" 5	Copeland, Chatterson Co	Toronto	Business Systems
32	" 9	Norton Mfg. Co	Hamilton	Tin Cans
33	" 9	Massey-Harris Co	Toronto	Implements
34	" 10	M. Langmuir Mfg. Co	"	Trunks, etc
35	" 9	"	"	"
36	" 2	"	"	"
37	" 3	"	"	"
38	" 13	D. W. Thompson Co	"	Coffin Factory
39	" 13	Canada Woollen Mills Co	"	Woollen Mills
40	" 4	American Abell Thresher Co	"	Threshers, etc
41	" 4	Pratt & Letchworth Co	Brantford	Malleable Iron
42	" 13	Chesley Rake and Novelty Co	Chesley	Novelties
43	" 16	Goold, Shapley, Muir & Co	Brantford	Wind Mills
44	" 17	Hamilton Steel & Iron Co	Hamilton.	Iron and Steel
45	" 18	Button-Fessant Chair Co	Wingham.	Chair Factory
46	" 9	James Wright & Co	London.	Carriages
47	" 18	Hamilton Steel & Iron Co	Hamilton	Steel and Iron
48	" 19	Frost & Wood Co	Smith's Falls	Implements
49	" 19	North American Bent Chair Co	Owen Sound.	Chairs
50	Mar. 14	John Campbell & Son	London	Carriages
51	" 21	Massey-Harris Co	Toronto	Implements
52	" 21	"	"	"
53	" 21	"	"	"
54	" 24	Stratford Mill Building C	Stratford	Mill building
55	" 17	Universal Knitting Machine Co	Toronto	Hosiery
56	" 21	Norton Mfg. Co	Hamilton	Tin Cans
57	" 25	D. L. Perrin & Co	London	Biscuits
58	" 21	David Maxwell & Sons	St. Mary's	Farm Implements
59	" 26	The Telfer Mfg. Co	Toronto	Paper Boxes
60	" 26	Canada Cycle & Motor Co	Toronto Junction	Bicycles
61	" 23	Canada Bridge Co	Walkerville	Bridges
62	April 2	The Bell Organ and Piano Co	Guelph.	Pianos and Organs
63	" 8	Hamilton Steel and Wire Co	Hamilton	Iron and Steel
64	" 3	The Bain Wagon Co	Woodstock	Wagons, etc
65	" 7	G. V. Oberholtzer Co., Limited	Berlin	Boots and Shoes
66	" 4	Gutta Percha & Rubber Co	Toronto	Rubber Goods
67	" 16	D. L. Perrin & Co., Limited	London	Biscuits, etc
68	" 18	John B. Atchison	Cornwall	Planing Mill

WESTERN DISTRICT OF ONTARIO.

Person injured.	Age.	Particulars.	No.
John McMillan		Slight. Arm lacerated by coming in contact with drill in machine shop.	1
Jonathan Oakes	45	Lost little finger of left hand while holding a piece of wood; hand slipped on to buzz-planer.	2
Urbane Webber	35	Index finger taken off between second and third joints; hand caught in rolls while running waste machine.	3
William Leamon		Large toe of left foot crushed with the rolls on the calender.	4
John Brown		Nail split on finger; in raising a steel bar it slipped and dropped on finger	5
John Petch	17	Little finger broken and hand lacerated in card-room.	6
Maggie Allison	19	Hand taken off at wrist while operating a die press machine.	7
George McGee		Tips of three fingers of left hand lacerated in circular saw.	8
Antonio Mascaro	30	Head and face scalded by falling with a pail of hot soap.	9
Noah Shirk	18	Four fingers of left hand taken off while handling a jointer.	10
M. Holmes		Wrist sprained; fell on oak floor.	11
Jos. Wagner		Left arm and left side of neck cut and bruised by falling on elevator shaft.	12
Ernest Rick		Third finger of right hand cut off by circular saw.	13
Albert O'Donnell	19	Middle finger of right hand cut off by a circular saw.	14
William Sutherland		Scalded on the chest, arms and face by a water hammer.	15
R. Cunneyworth		Right shoulder bruised and hand cut by bursting of an emery wheel.	16
Walter Stark	26	*Injured December 30th by circular saw; turned to blood poison and died therefrom on January 9th.	17
Henry Hesch	35	Parts of three fingers of left hand taken off while operating a jointer.	18
Enoch Weitzel	45	Leg slightly bruised; caught in coupling, whirled around on the shafting, machinery was running slowly.	19
Bert Simmons	22	Right arm slightly bruised by the bursting of an emery wheel.	20
L. Howell		Lost two fingers of left hand while adjusting planer.	21
John Curran		Lost little finger of left hand in printing machine.	22
Wm. Preston		Lost three fingers and palm of hand in travelling crane.	23
J. Bertie	23	Toe crushed by a falling steel channel.	24
Thos. Gascoyne		Both arms broken at wrist by a case falling on him.	25
David Hutton	54	Right foot scalded by steam from blow-off pipe.	26
Robert Parker		Lost first and third fingers of right hand on a buzz-planer, while the thumb and second fingers were lacerated.	27
A. H. Blair		Instep burned by spilling a ladle of molton iron on it.	28
Lily Nichol	19	Right hand badly crushed while feeding a cutting and creasing press.	29
Charles Combs		Back of hand cut on a trimming saw.	30
Fred. E. Pearsell		Index finger of right hand amputated at 2nd joint while operating printing press.	31
Mrs. R. Cronckhite	25	Top of thumb smashed between horn and power press.	32
Mr. Atkinson		Scalp wounded, being struck by a belt in saw department.	33
E. Taylor		Finger injured with eyelet machine; ran eyelet through finger.	34
J. Stephenson		Ends of two fingers cut off in binder.	35
A. Cochrane		Slight injury to foot; foot caught in hoist.	36
T. Coles		Slightly scalded by pipe bursting.	37
W. Wills		Three fingers cut on a buzz.planer.	38
Fred. Bleisch	54	Badly shaken up by breaking of elevator cable.	39
W. Stephenson		Back, above hip, hurt by falling into a pit.	40
Thos. Jenkins	35	Right hand burned by some molten iron.	41
Thos. Wark		Tips of three fingers cut while removing shavings from sticker.	42
Albert Hay	19	Index finger of right hand broken and 2nd finger cut; caught hand in lathe.	43
A. McKeever	35	Side of face badly cut, being struck by piece of iron.	44
E. Kaiser		End of 3rd finger cut on shaper.	45
William Lilly		Back injured, being in elevator whon it dropped to the cellar.	46
Wm. Wilson	45	Three toes crushed by a steel bloom while sliding it on to a buggy.	47
W. W. Dillabough		Both legs broken below the knees by a frozen crust of sand falling on legs while wheeling sand.	48
Arthur Gamble	16	Face of right hand partly torn off by automatic sanding machine.	49
Geo. Abray		A piece of wood flew from rip saw and struck him on the eye.	50
G. Walters		Ankle sptained, on a hoist when it fell 1½ storeys.	51
W. Summers		Bone of right foot broken; fell in hoist.	52
J. Carson		Bone of left foot broken on hoist when it fell.	53
John Speck		Thumb and two fingers partly taken off on circular saw.	54
Harry Dawson	50	Head and face scalded while running the water off a vat.	55
Robert Honeysett	15	Third finger of left hand injured and cut while operating a square shear.	56
Percy Potter		Finger broken in two places; caught in dough mixer.	58
R. Fitzsimons		Leg broken between knee and ankle by a pile of castings falling forward on him.	58
Edith Woodworth	18	Left arm crushed so as to cause amputation, while feeding a cutting press	59
Herbert Chaperon	14	Index finger of left hand badly wounded while operating a screw head slotting machine.	60
Joseph Bellemore		Left leg amputated between ankle and knee, caused by a riveting machine falling on it.	61
George Pearson		Hand crushed between planer rolls.	62
John Gorman	21	Leg cut and bruised, being struck on leg by bar from strand rolls,	63
			64
Fred Kuhn		Nail pulled off right thumb, being caught in heel pricker.	65
George Farhall		Left hand crushed between carriage and door of heater.	66
Alice Roberts		*Both arms broken at wrist; fell down elevator shaft to basement, a distance of 22 feet; died next day from injuries.	67
Tavish McTavish		Index finger amputated at 2nd joint of right hand in tenon machine.	68

* Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date	Employer.	Place.	Business.
69	April 21	International Harvester Co	Hamilton	Harvest Machines
70	" 25	D. L. Perrin & Co	London	Biscuits
71	" 23	Taylor, Forbes Co., Limited	Guelph	Hardware
72	" 22	Imperial Cotton Co	Hamilton	Cotton Mills
73	" 27	[illegible]	Toronto	Threshers
74	" 20	Thomas Organ & Piano Co	Woodstock	Organs and Pianos
75	" 18	[illegible]	Chesley	Furniture
76	" 25	National Portland Cement Co.	Durham	Cement Mill
77	" 29	Canadian Colored Cotton Mills Co.	Hamilton	Cotton Mill
78	" 29	Can. Col. Cotton Mills Co.	"	"
79	" 28	George McLachlan Furniture Co.	Stratford	Furniture
80	" 29	Snowflake Steam Laundry	Woodstock	Laundry
81	May 1	McGregor, Gourlay Co., Limited	Galt	Machinery
82	April 27	The Columbia Screw Co.	Hamilton	Tin Cans
83	May 27	Chesley Rake & Novelty Co	Chesley	Rakes, etc.
84	April 4	[illegible]	Brantford	Printers
85	May 30	[illegible]	Toronto	Rubber Goods
86	" 27	Gutta Percha & Rubber Co	"	"
87	June 2	[illegible]	"	Paper Boxes
88	" 2	[illegible]	Chesley	Furniture
89	" 2	Globe Furniture Co	Walkerville	"
90	" 5	[illegible]	Toronto	Wood Pulleys
91	April 27	Geo. Coleman Co., Limited	"	Baker
92	May 30	Gutta Percha & Rubber Co	Toronto	Rubber Goods
93	" 30	[illegible]	"	"
94	" 30	[illegible]	"	"
95	April 25	The Norton Mfg. Co.	Hamilton	Tin Cans
96	May 6	Toronto Bolt and Forging Co	Swansea	Bolts, etc.
97	April 11	Dominion Canister Co.	Dundas	Canisters
98	May 9	John Campbell & Son	London	Carriages
99	April 15	The Knechtel Furniture Co	Hanover	Sawmill
100	May 9	Goold, Shapley & Muir	Brantford	Wind-mills, etc.
101	" 9	E. L. Conard & Sons	London	Engines and Boilers
102	" 1	Geo. McLagan Furniture Co	Stratford	Furniture
103	April 17	The London Soap Co.	London	Soap
104	May 1	McDonald Mfg. Co.	Toronto	Tinware
105	" 12	Canada Cycle & Motor Co.	Toronto Junction	Bicycles
106	April 23	Petit Bros	Comber	Barrels, etc.
107	May 9	Saginaw Lumber & Salt Co	Windsor	Lumber and Salt
108	" 15	International Harvester Co.	Hamilton	Harvest Machines
109	" 20	[illegible]	"	"
110	April 21	Kemp Manure Spreader Co	Stratford	Lime Distributor
111	May 30	Gutta Percha & Rubber Co	Toronto	Rubber Goods
112	June 3	Taylor, Forbes Co.	Guelph	Hardware
113	" 5	D. L. Perrin & Co	London	Biscuits
114	" 5	The Preston Furniture Co	Preston	Furniture
115	May 28	R. Forbes Co., Limited	Hespeler	Woollen Goods
116	June 10	International Harvester Co	Hamilton	Machines
117	" 4	[illegible]	"	Machinery
118	" 6	[illegible]	"	"
119	" 6	[illegible]	"	"
120	" 9	[illegible]	"	"
121	" 6	[illegible]	"	"
122	May 12	The Perth Flax and Cordage Co.	Stratford	Binder twine
123	June 9	D. L. Perrin & Co	London	Biscuits
124	" 15	[illegible]	Chatham	Car Springs
125	May 20	John Wood	Woodstock	Planing Mills
126	June 13	Wm. Gray & Son Co. Limited	Chatham	Carriages
127	" 17	Bertram Engine Works Co.	Toronto	Engines and Boilers
128	" 16	International Harvester Co	Hamilton	Machinery
129	" 15	Sandusky Tool Co	Paris	Mattresses, etc.
130	" 19	Massey Harris Co	Toronto	Implements

WESTERN DISTRICT OF ONTARIO.—Continued.

Persons injured.	Age.	Particulars.	No.
Peter Smith	32	Nose broken; struck on nose by head of hammer.	69
William Healey	.....	Hand and fingers cut, being caught in sprocket wheel of pan carrier.	71
Chas. Dempsey	.....	Right hand and arm injured; mould slipped off the crane and fell on him	71
Henry Beverley	....	Middle finger amputated and hand bruised; caught in a gear,	72
Philip Lace	....	Left ankle broken by weight falling on leg.	73
Neil Kerwin	16	Slight scalp wound, caused by blow from piece of wood.	74
Edgar Beesa	.....	First finger on right hand taken off, caught in between sand drum.	75
Angus Cameron	.....	Arm amputated between elbow and shoulder in grinding machine,	76
Albert E. Scott	20	Thumb of left hand amputated at top of nail; caught by beater breaker picker.	77
Alvie Storin	18	Forefinger of left hand amputated at 2nd joint; caught in beater on breaker picker.	78
Herbert Cook	15½	*Attempted to jump on to the elevator when in motion; was crushed to death between elevator and beam of third floor.	79
Ethel Buggs	18	Scalp and hair torn off from skull; hair caught in shaft while emptying waste paper basket.	80
A. Shupe	.....	Thumb cut on saw in wood shop.	81
Jessie Sutherland	20	Index finger of right hand amputated at nail; cleaning machine while in motion.	82
John Doubleday	.....	Small finger on left hand cut at 2nd joint on shaper machine.	83
Nellie Hartley	14	Lost three toes of left foot; caught in a Gordon press.	84
Albert Holden	.....	*Fly wheel on engine attached to reclaiming factory burst, and he was struck by flying bricks, fracturing skull, arm and leg broken, causing death while on the way to the hospital.	85
Richard Nash	.....	*Lost all the fingers and thumb of left hand; caught between the rolls of washing mill; died June 7th from lock-jaw, caused by accident.	86
Gertrude Arrowsmith	17	Left arm badly cut in spinning machine.	87
R. Curtis	.....	Tip of thumb split on rip saw.	88
Thomas Boddy	.....	First joint of second finger on left hand lost while operating an emery wheel.	89
Ed. Iverson	....	Second, third and fourth fingers taken off in buzz-planer.	90
Chas. Edwin Clay	....	Three middle fingers crushed and little finger lacerated; caught in cogs of mixing machine.	91
Fred. Watson	.....	Second finger on right hand broken by bursting of fly wheel; also cut on the head.	92
Peter Cassoll	.....	Cut on head by bursting of fly wheel.	93
Eliza Mainprice	.....	Bruised on left side by bursting of fly wheel.	94
Anthony Bernhardt	16	Index finger of right hand amputated at nail, while cleaning when in motion.	95
Fred. Leroy	22	*Scalded by falling into vat of hot soda water; has since died.	96
Harry Reid	21	Lost three fingers in a tin stamping press.	97
Joseph Luce	.....	Piece of wood flew from rip saw inflicting a flesh wound on arm.	98
James McChesney	.....	Two fingers lost while working on buzz planer.	99
A. Oliver	35	Big toe broken by a fly wheel falling on it.	100
Wm. Spence	.....	Three fingers crushed on left hand by gear wheel.	101
Norman Mallo	.....	Top of finger bruised, being pinched in one of the boring machines.	102
Thomas Lawless	.....	Legs badly scalded, slipped into tank of hot liquor.	103
Thos. Considine	.....	First and second fingers and tip of thumb of left hand taken off while operating a stamp press.	104
Ee. Bell	19	Fleshy part of left arm lacerated below elbow while operating a milling machine.	105
Herbert Manley	.....	Slightly injured by boiler explosion; boiler became weak and gave out.	106
Frank Lucier	.....	Thigh bone of leg broken by a load of lumber falling on it.	107
Thos. Mason	.....	Eyes and left shoulder burnt while skimming a ladle of iron; it exploded.	108
D. A. McLennan	.....	Little finger of left hand cut off by a jointer in wood department.	109
Robert Martin	.....	Index finger severed at joint and other three fingers injured on buzz planer.	110
Ida Dakelow	.....	Bruised on left side by bursting of fly wheel.	111
James Currie	....	Wrist and back of hand cut, and flesh from stomach torn, while operating lawn mower grinding lathe.	112
John Corbett	.....	Fingers on right hand crushed while taking dough off rollers.	113
Roy Seyffert	18	Two of his fingers cut on rip saw.	114
Richard Franz	20	Hand badly lacerated; caught in revolving cylinder in carding room.	115
L. F. Barry	.....	End of little finger on left hand cut off by jointer.	116
Wm. McKay	.....	Bruise on left while lifting a casting.	117
Albert Jennings	.....	Ankles bruised by splashing iron from cupola trough.	118
J. T. Jento	.....	Right eye injured by a chip from casting.	119
John Mo.ley	.....	Slight bruise on left leg by falling off a ladder.	120
Thos. Manewell	.....	Left leg bruised by a casting.	121
Daniel McLaughlin	.....	Arm amputated; caught between card of cylinder and one of doffer rollers.	122
William Milton	.....	Hip cut; jammed between elevator gate and car.	123
R. Carey	.....	Slightly injured by bursting of emery wheel.	124
Arthur Blow	21	Slightly injured; caught in a belt.	125
Jas. Dyer	.....	Tip of fore finger on left hand taken off by jointer.	126
Thomas Wilkinson	49	Bones in back of right hand broken and palm lacerated; caught between crank and main bearing of engine.	127
Fred. Hurley	.....	Eye injured; struck by piece of steel.	128
Allan Chambers	.....	Flesh of arm lacerated; caught in gearing of boring machine.	129
Wm. McConnell	.....	Artery of left arm severed; struck by piece of steel in smith department.	130

* Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employer.	Place.	Business.
131	June 21	The Telfer Mfg. Co.	Toronto	Paper Boxes
132	April 29	American Abel & Thresher Co.	"	Threshers
133	May 11	" "	"	"
134	May 11	" "	"	"
135	June 23	Massey-Harris Co.	"	Implements
136	June 17	Gutta Percha & Rubber Co.	"	Rubber Goods
137	June 23	M. J. Wilson Cordage Co.	Chatham	Cordage Factory
138	June 23	Berlin Furniture Co	Berlin	Furniture
139	June 26	The Norton Furniture Co.	Hamilton	Tin Cans
140	June 26	International Harvester Co.	"	Machinery
141	June 20	" "	"	"
142	June 30	" "	"	"
143	June 30	Gurney Foundry Co.	Toronto	Stoves, etc.
144	June 27	International Harvester Co	Hamilton	Machinery
145	June 29	International Harvester Co.	Hamilton	Machinery
146	June 24	Slingsby & Waltho.	Dunnville	Knitted goods
147	June 27	International Harvester Co.	Hamilton	Machinery
148	July 2	Canadian Colored Cotton Co.	Hamilton	Cotton mills
149	July 2	D. L. Perrin & Co., Ltd.	London	Biscuits
150	July 6	International Harvester Co.	Hamilton	Machinery
151	July 8	International Harvester Co.	Hamilton	Machinery
152	July 10	Page-Hersey Iron Co.	Guelph	Iron pipes
153	July 2	S. Hadley Lumber Co.	Chatham	Lumber,
154	July 8	Norton Mfg. Co.	Hamilton	Tin cans
155	July 10	The Bell Organ and Piano Co.	Guelph	Organs and pianos
156	July 6	American Abel Engine Co.	Toronto	Threshers
157	July 8	Taylor-Forbes Co.	Guelph	Hardware
158	July 6	D. L. Perrin & Co.	London	Biscuits
159	July 3	International Harvester Co.	Hamilton	Machinery
160	July 26	Woodstock Cereal Co.	Woodstock	Rolled oats, etc.
161	May 19	Waterous Engine Works Co.	Brantford	Machinery
162	July 15	Geo. McLagan Furniture Co.	Stratford	Furniture
163	July 10	Rat Portage Lumber Co.	Rat Portage	Lumber
164	July 17	Adams Wagon Co.	Brantford	Wagons
165	July 14	International Harvester Co.	Hamilton	Machinery
166	July 18	The Preston Furniture Co.	Preston	Furniture
167	July 20	International Harvester Co.	Hamilton	Machinery
168	July 24	" "	"	"
169	July 30	" "	"	"
170	Aug. 1	" "	"	"
171	Aug. 1	" "	"	"
172	Aug. 3	" "	"	"
173	July 17	American Abel Engine Co.	Toronto	Threshers
174	July 25	Krug Bros. & Co.	Chesley	Furniture
175	June 3	Lucknow Furniture Co.	Lucknow	Furniture
176	July 25	International Harvester Co.	Hamilton	Machinery
177	July 24	" "	"	"
178	July 27	" "	"	"
179	July 29	" "	"	"
180	July 25	" "	Brantford	"
181	July 31	" "	"	"
182	Aug. 3	" "	"	"
183	Aug. 4	Waterous Engine Works Co.	"	"
184	July 25	Chew Bros.	Midland	Lumber, etc.
185	Aug. 1	The World Furnishing Co.	Orillia	Furniture,
186	Aug. 6	The C. Beck Mfg. Co., Limited	Penetanguishene	Lumber
187	Aug. 2	The Dowsley Spring and Axle Co.	Chatham	Springs and axles
188	Aug. 6	The International Harvester Co.	Hamilton	Machinery
189	Aug. 7	" "	"	"
190	July 15	" "	"	"
192	Aug. 7	McCormick Mfg. Co.	London	Biscuits
193	Aug. 8	"	"	"
194	Aug. 6	International Harvester Co.	Hamilton	Harvest machinery
195	Aug. 7	Massey-Harris Co., Ltd.	Toronto	Implements
196	Aug. 11	"	"	"
197	Aug. 7	"	"	"
198	Aug. 12	International Harvester Co., Ltd.	Hamilton	Harvest machinery
199	Aug. 5	The Hanover Portland Cement Co.	Hanover	Cement
200	Aug. 11	The Goldie & McCulloch Co., Ltd.	Galt	General machinery
201	Aug. 11	International Harvester Co., Ltd.	Hamilton	Harvest machinery

WESTERN DISTRICT OF ONTARIO.—Concluded.

Person injured.	Age.	Particulars.	No.
May Wiley	19	Index finger of left hand crushed by corner staying machine.	131
Henry Thomson	....	Left arm scraped by emery wheel.	132
Alfred Bullan	.....	Right thumb cut while working at baker saw in wood shop.	133
William Friend	.....	Left thumb, index finger and middle finger cut on rip saw.	134
J. W. Penny	.....	Back injured and feet paralyzed by a table falling on him.	135
W. McFarlane	....	Left ankle sprained by slipping from step ladder.	136
Mary Aldis	.....	Right arm cut and broken in a spinning jenny.	137
Alex. Ludwig	.....	Index finger and thumb of left hand lost by cut-off saw.	138
David Gilbert	22	Thumb and end of nail squeezed in treadle press.	139
Thomas Fair	.....	Foot injured by nail penetrating shoe and foot.	140
Harry Nichol	....	Wrist of right arm badly burnt by a wire slipping between connectors.	141
Archie Devine	.....	Right foot injured by a piece of lumber falling on it.	142
Andrew Kennedy	.....	Toe crushed by a piece of casting falling on it.	143
A. Gordon	.....	Face cut by earth caving in, in sewer.	144
John Caffery	.....	Foot hurt by casting falling on it.	145
Richard Fox	15	Lost part of three fingers and thumb of right hand while feeding a wool picker.	146
John Wright	.....	Slight bruise on left leg; some earth falling on it.	147
Frank Shea	15	Bone of right wrist bruised in folding machine.	148
Fred Allen	.....	Second and third fingers of left hand bruised in rolling machine.	149
Martin Fahey	.....	Left thumb cut at first joint by a chisel.	150
William Long	.....	Left hand cut on casting by falling over a mould.	151
George Peace	....	Two fingers of right hand jammed in milling machine.	152
Chas. Eyrs	.....	First finger of left hand cut on saw.	153
Wm. Randell	19	Second and third fingers amputated at second joint by a press treadle.	154
James Dunn	27	Flesh cut off points of three fingers on right hand in shaper.	155
Albert Sharp	.....	Back hurt while unloading a boiler from truck.	156
C. Beckwith	.....	Left arm badly cut; caught between pulley and ladder.	157
Geo. Spicknell	.....	Nail of first finger on right hand crushed in paper box machine.	158
Marvin Lewis	...	Left side between ribs struck by handle of truck.	159
Harry Russell	....	Leg wounded, being struck by bursting of pulley.	160
George F. Brown	.....	*While loading lumber from gallery, stepped off the edge, falling to the floor below, lighting on his head and shoulders; he died a month after the accident.	161
Ed. Brinkert	26	Thumb and tops of first and second fingers amputated; cut on buzz-planer.	162
Sevid Nicholson	....	Struck in abdomen by flying board; died day after receiving injuries.	163
James Graham	.....	Received a flesh wound on hand; came in contact with cut-off saw.	164
Fred. Harley	.....	Right eye struck by piece of emery.	165
Chas. Carruthers	...	Flesh wound on leg; caught in planer.	166
W. J. Kennedy	....	Ankle burnt by some molten iron spilling on it.	167
John Hickey	.....	Struck on left cheek bone by an iron bucket.	168
George Upsdell	.....	Struck his head against the under side of the pneumatic cylinder of crane.	169
Frank Armstrong	....	Right hand burned while picking up a piece of hot iron.	170
Thomas Spoar	....	Right eye injured, struck with a piece of steel.	171
William James	....	Slipped on floor, sustaining a heavy fall.	172
William Patterson	.....	Left thumb bruised and broken; hand slipped on boring machine.	173
Wesley Durst	....	Three fingers of right hand cut on spindle carving machine.	174
John Alexander	16	Tips of four fingers taken off on circular saw.	175
Chas. Edgar	....	While filling milling machine a casting slipped crushing his finger.	176
Denis Coughlin	....	Slipped on floor covered with oil; strained his back.	177
A. J. Seymour	....	A bolt dropped on wrist of left hand, straining it.	178
Frank Maxey	.....	A pipe slipped and caught third finger of left hand, smashing it at the end of nail.	179
William McKay	.....	A rod slipped, knocking skin off third finger.	180
Lorerzo Young	....	Board from a large flask slipped and fell on foot, bruising big toe.	181
George Millward	....	A truck wheel slipped and fell on middle finger of right hand.	182
James B. Adley	.....	Second and third fingers of right hand badly bruised by a heavy chuck.	183
Chas. Williams	....	*Fell on circular saw; instantly killed.	184
W. J. Hancock	.....	The fleshy part of the tops of second and third finger of left hand cut off on buzz planer.	185
W. H. Van Allen	.....	Lost third finger of left hand; slipped, and came in contact with circular saw.	186
James Thomas	.....	Scalded; not serious.	187
William Chapman	.....	Little finger cut on circular saw.	188
Thomas Henamer	29	Left knee struck by a chisel while cutting a plank.	189
Ed. Sparks	20	Nail taken off third finger of left hand; caught between a chain and pulley.	190
Kenneth Henderson	.....	Finger caught in cutting machine.	192
James Secord	.....	Head and face cut; put his head out over elevator gate, and was caught between elevator and gate.	193
George Bristol	22	Injured by a piece of emery striking him on left eye.	194
Willis Fisher	.....	Right foot badly jammed between floor and hoist.	195
A. Beaton	.....	Left leg broken just above knee; a box containing a drill frame fell off a warehouse truck breaking leg.	196
William Stubbs	.....	Right foot lacerated by a drill frame slipping on it.	197
William Freeth	35	Left arm injured by a waggon backing into him.	198
Augusta Helwig	44	Operating a windlass; left hand caught between chain and shaft; thumb and second finger taken off.	199
John Pollock	55	*While making an excavation in moulding shop for a casting, a heavy weight fell on him, crushing in the back of his head, killing him almost instantly.	200
Morris D. Austin	23	Injured by hot iron spurting and splashing over his left side.	201

*Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employe.	Place.	Business.
202	Aug. 13	International Harvester Co	Hamilton	Harvest machinery
203	Aug. 17	Staunton's, Limited	Toronto	Wall paper
204	Aug. 17	International Harvester Co	Hamilton	Harvest machinery
205	Aug. 8	"	"	"
206	Aug. 17	"	"	"
207	Aug. 10	Canadian Shipbuilding Co	Bridgeburg	Shipbuilding
208	Aug. 19	International Harvester Co	Hamilton	Harvest machinery
209	Aug. 13	American Abel Engine Co., Ltd	Toronto	Threshers
210	Aug. 14	Massey-Harris Co., Ltd	Brantford	Implements
211	Aug. 15	Eckardt Casket Co	Toronto	Caskets, etc
212	Aug. 22	Wm. Gray & Sons Co., Ltd	Chatham	Carriages
213	Aug. 22	International Harvester Co	Hamilton	Harvest machinery
214	Aug. 26	"	"	"
215	Aug. 21	"	"	"
216	Aug. 27	Canada Woollen Mills Co	Toronto	Woollen Mills
217	Aug. 27	International Harvester Co	Hamilton	Harvest machinery
218	Aug. 28	United Factories, Ltd	Toronto	Brushes, etc
219	Sept. 2	International Harvester Co	Hamilton	Harvest machinery
220	Aug. 22	The World Furnishing Co	Orillia	Furniture
221	Sept. 3	International Harvester Co	Hamilton	Harvest machinery
222	Aug. 28	J. B. Armstrong Mfg. Co	Guelph	Carriages
223	Aug. 28	"	"	Carriages
224	Aug. 31	The Sutherland Innes Co	St. Thomas	
225	Aug. 27	John Fisher & Son	Dundas	Paper manufacturer
226	Sept. 2	International Harvester Co	Hamilton	Harvest machinery
227	Sept. 1	"	"	"
228	Sept. 3	"	"	"
229	Sept. 4	"	"	"
230	Sept. 2	"	"	"
231	Sept. 4	"	"	"
232	Sept. 2	J. B. Snider	Waterloo	
233	Sept. 8	International Harvester Co	Hamilton	Harvest machinery
234	Sept. 2	Canada Furniture Co	Woodstock	Furniture
235	Sept. 4	Massey-Harris Co	Toronto	Implements
236	Aug. 14	Dominion Canister Co	Dundas	Canisters
237	Sept. 9	Massey Harris Co	Toronto	Implements
238	June 19	Brown, Devlin & Barr	St. Mary's	Lumber
239	Sept. 5	Whitman & Barnes Co	St. Catharines	
240	Sept. 5	International Harvester Co	Hamilton	Harvest machinery
241	Sept. 11	John Campbell & Son	London	Carriages
242	Sept. 14	International Harvester Co	Hamilton	Harvest machinery
243	Sept. 11	"	"	"
244	Sept. 12	"	"	"
245	Sept. 14	"	"	"
246	Sept. 16	"	"	"
247	Sept. 15	D. L. Perrin & Co., Ltd	London	Biscuits
248	Sept. 9	International Harvester Co	Hamilton	Harvest machinery
249	Sept. 18	Hurley & Watkins	Brantford	Printers
250	Sept. 17	International Harvester Co	Hamilton	Harvest machinery
251	Sept. 19	"	"	Harvest machinery
252	Sept. 21	The Bell Organ Co	Guelph	Pianos and organs
253	Sept. 21	Diamond Flint Glass Co	Toronto	Fruit jars
254	Sept. 3	United Factories, Ltd	Newmarket	Brushes, etc
255	Sept. 11	Geo. Patterson & Son Co	Preston	Woollen goods
256	Sept. 24	International Harvester Co	Hamilton	Harvest machinery
257	Sept. 26	"	"	"
258	Sept. 28	"	"	"
259	Sept. 21	S. Hadley Lumber Co	Chatham	Lumber
260	Sept. 10	The Globe-Wernicke Co	Stratford	Office furniture
261	Sept. 25	International Harvester Co	Hamilton	Harvest machinery
262	Sept. 10	The Globe-Wernicke Co	Stratford	Office furniture
263	Sept. 29	The Norton Mfg. Co	Hamilton	Tin cans
264	Sept. 30	The International Harvester Co	"	Harvest machinery
265	Sept. 24	The Canada Cycle and Motor Co.	Toronto Junction	Bicycles, etc
266	Oct. 1	International Harvester Co	Hamilton	Harvest machinery
267	Sept. 30	"	"	"
268	Sept. 30	"	"	"
269	Oct. 1	Riordon Paper Mills	Merriton	Paper Mills
270	Oct. 5	D. W. Thompson Co	Toronto	Mattress factory
271	Oct. 5	International Harvester Co	Hamilton	Harvest machinery
272	Sept. 16	"	"	"
273	Oct. 5	Dominion Canister Co	Dundas	Canisters
274	Oct. 6	George L. Burtis	Thessalon	Lumber
275	Oct. 10	Dominion Paper Box Co	Toronto	Paper boxes
276	Oct. 5	Thomas Organ and Piano Co	Woodstock	Organs and pianos
277	Oct. 10	Bertram Engine Works Co	Toronto	Engines, etc
278	Oct. 6	International Harvester Co	Hamilton	Harvest machinery

WESTERN DISTRICT OF ONTARIO.—Continued.

Person injured.	Age.	Particulars.	No.
Thomas Dean	30	Hand cut by a moulding box slipping and falling on it.	202
Patrick Lyons		Slipped on wet floor bruising face badly.	203
William Lamb	35	Wrench slipped cutting lip.	204
George Millward	25	Middle finger of right hand bruised by stave falling on it.	205
George Upsdell	33	Eyes injured by some sand and water flying into face.	206
Wallace B. Troupe		Two fingers and middle of left hand crushed while moving a machine.	207
Jas. Graham	40	Severe blow in abdomen, causing laceration and interlapping of bowels.	208
Albert Ritchie		Right arm cut slightly and hand sprained in lathe drill.	209
Robert Cromwell	35	Left leg bruised and cut by thin sheet of steel falling against it.	210
A. Thurston	45	Thumb cut while working at rip saw.	211
G. Groombridge		Leg injured; a piece of wood flew back from rip saw, striking leg.	212
C. Crook	20	Left thumb burned by some hot iron spurting on it.	213
Harry Girrard	30	Right foot injured by nail piercing it.	214
Harry Tallman	21	Toe bruised severely by a box of castings falling on it.	215
E. O'Rielly	22	Right hand cut and bruised, being struck by wing of fan.	216
D. McCaulay	25	Left arm burnt by a bar of hot iron.	217
J. McIver		Finger cut on shaper machine.	218
Henry Pritchard	18	Finger of left hand caught between roller and bar.	219
Geo. Craig	40	Leg bruised by a piece of wood from rip saw.	220
R. Avis	23	Right thumb injured by an emery wheel.	221
Chas. Edwards		While operating rip saw a board was thrown back, striking him on body.	222
Herbert Fairley		Tips of fingers cut by knives on rounding machine.	223
Chas. Hood	58	Scalded from back of neck to knee, also part of face.	224
Robert Fennix		Slipped off a section of flume; shoulder blade fractured.	225
William Day	26	Foot burned by some hot metal splashing on left shoe.	226
Jos. Culley	29	Eye injured by a piece of iron getting into it.	227
George Halcrow	22	Left hand bruised between two pipes.	228
Jos. Schweir	26	Third finger of right hand clipped by machine slipping.	229
Richard Dougherty	20	Fingers bruised; caught in moulding machine.	230
Robert Adams	31	Thumb of right hand cut by a knife slipping.	231
Geo. Fraser		Lost thumb and first finger at first joint on a rip saw.	232
Wm. Brown		Nail torn off little finger of left hand; pinched between two buckets.	233
Mr. Haystead	70	Little finger taken off and palm of right hand lacerated; hand caught in knives.	234
Lloyd Smith	22	Thumb nail of right hand broken off; caught between a piece of casting and a drilling jig.	235
John Real	29	Tips of two fingers taken off, being under knife of strip-former.	236
A. Donaldson		Right foot burned by some moulten iron.	237
William Lucas		Two fingers lost while running a saw.	238
James King	43	Scalp wounded from bursting of a grindstone.	239
Geo. C. Waddell	35	First finger of left hand broken at first joint by heavy castings.	240
Geo. Abray		Slight wound in the abdomen by a piece of wood from rip saw.	241
Ichabod Sharpe	54	Left hand bruised by broad end of pick.	242
E. Klein	41	Fingers of left hand bruised by emery wheel.	243
A. Munn	33	Right wrist strained by a sledge.	244
R. Birns	23	Second finger on right hand bruised by a truck.	245
John Curtis	29	Two middle fingers of left hand jammed by an iron bar.	246
Geo. Spicknell		Nail and top of first finger on left hand crushed in paper box machine.	247
John Caffery	24	Left foot burned by some molten iron.	248
Walter Dines		Fell through elevator shaft to the lower flat, receiving a severe blow on right eyebrow.	249
Robert Vanbuskirk	19	Knee wrenched by his left foot catching in some large piece of machinery.	250
Wm. McLain	29	Fell from top of ladder, a distance of ten feet, injuring back.	251
John Brown	38	Little finger and part of third on right hand cut on shaper.	252
John Doyle		Both legs broken; clothes caught in a shaft.	253
Wallace McDonald	17	Second finger of right hand amputated; caught in gear wheels.	254
Isabella Mexer		Eye injured; shuttle flew out of loom and struck eye.	255
Louis Smith	43	Third finger of left hand mashed by hammer.	256
Wesley Berlingel	17	Second finger of right hand pierced by a piece of steel.	257
Aquilla Hanson	43	Lower part of right foot burnt by a mold bursting.	258
James Dowsley		*While ripping a piece of pine for a panel, and after passing the piece through the saw, it in some way caught and was thrown back by saw, striking him in the stomach, as a result of which he died on the 24th inst.	259
G. Kreh		Fingers cut on buzz-planer.	260
R. J. Ewart		Left foot burnt while pouring off iron.	261
J. Martin		Finger cut on buzz-planer.	262
Shadrack Wright	22	Index finger of right hand bruised between dies in power press.	263
Walter Chester	20	Second and third fingers of left hand burnt with hot mold.	264
Murray Scott	15	Rib broken; fell against a pile of boxes.	265
Ed. Swain	44	Left eye cut; fell against side of waggon.	266
A. G. McArdle	22	Left ankle burnt by splash from ladle of hot iron.	267
J. Erb	23	Left eye injured by piece of steel.	268
Robert Bowman	29	Left leg wounded by a belt breaking.	269
Frank Hurleyhey		One finger cut off on iron shears.	270
Tiffany Hartwell	55	Left eye cut by a chisel slipping from hammer.	271
John Fleming	60	Left hand injured by a nail scratching it.	272
John Rycroft	18	Tip of finger cut off; caught under punch of a press	273
Wm. Chamblin		Four fingers of right hand cut off, being caught in feed rolls of lath machine	274
Bert Howard		Tip of finger pinched in press.	275
Samuel Edmonds		Two fingers of left hand cut on shaper.	276
F. Henderson		End of finger on left hand crushed.	277
Irvine Trainer	29	Three toes of left foot bruised while unloading lumber from a coal car.	278

*Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employer.	Place.	Business.
279	Oct. 14	International Harvester Co	Hamilton	Harvest machinery
280	Oct. 13	"	"	"
281	Oct. 9	Massey-Harris Co	Brantford	Implements
282	Oct. 14	The Norton Mfg. Co	Hamilton	Tin cans
283	Oct. 6	The Riordon Paper Mills	Merriton	Paper mills
284	Oct. 13	The Kemp Manure Spreader Co	Stratford	Lime distributor
285	Oct. 18	Ontario Sugar Co	Berlin	Sugar factory
286	Oct. 17	International Harvester Co	Hamilton	Harvest machinery
287	Oct. 19	"	"	"
288	Oct. 19	D. L. Perrin & Co., Ltd	London	Biscuits
289	Oct. 20	International Harvester Co	Hamilton	Harvest machinery
290	Oct. 21	"	"	"
291	Oct. 21	"	"	"
292	Oct. 21	"	"	"
293	Oct. 23	The Norton Mfg. Co.	Hamilton	Tin cans
294	" 17	Massey-Harris Co	Brantford	Implements
295	" 17	"	"	"
296	" 17	"	"	"
297	" 14	Canadian Colored Cotton Mills Co	Hamilton	Cotton mill
298	" 23	International Harvester Co	"	Harvest machinery
299	" 25	"	"	"
300	" 36	M. B. Perine & Co	Doon	Twines, etc
301	" 27	International Harvester Co	Hamilton	Harvest machinery
302	" 28	Dominion Paper Box Co	Toronto	Folding boxes
303	" 29	Victoria Wheel Works Co	Galt	Patent wheels
304	" 28	International Harvester Co	Hamilton	Harvest machinery
305	" 30	D. L. Perrin & Co	London	Biscuits, etc
306	Nov. 2	"	"	"
307	" 3	International Harvester Co	Hamilton	Harvest machinery
308	Oct. 30	"	"	"
309	Nov. 6	"	"	"
310	" 4	"	"	"
311	" 9	The Bertram Engine Works Co	Toronto	Engines, etc
312	" 9	"	"	"
313	" 9	The Goderich Organ Co	Goderich	Organs, etc
314	" 6	"	"	"
315	" 10	International Harvester Co	Hamilton	Harvest machinery
316	" 12	Goldie & McCulloch Co	Galt	Machinists
317	" 9	Stevens Mfg. Co	London	Brass works
318	" 11	The Ontario Land & Oil Co	Petrolia	Oil Company
319	" 12	The Goderich Organ Co	Goderich	Organs, etc
320	" 16	"	"	"
321	" 12	The Bertram Engine Works	Toronto	Engines and boilers
322	" 18	The Dominion Belting Co	Hamilton	Duck belting
323	" 12	The Sydenham Glass Co	Wallaceburg	Glass works
324	" 10	The Can. Heating & Ventilating Co	Owen Sound	Heat and ventilation
325	" 10	McClary Mfg. Co	London	Stoves, etc
326	Oct. 23	The R. Forbes Co., Ltd	Hespeler	Woollen goods
327	Nov. 17	International Harvester Co	Hamilton	Harvest machinery
328	" 16	"	"	"
329	" 17	"	"	"
330	" 16	"	"	"
331	" 14	"	"	"
332	Oct. 9	Taylor-Forbes Co	Guelph	Hardware
333	Nov. 20	D. L. Perrin & Co	London	Biscuits
334	" 16	The Fairgrieve Mfg. Co	Toronto	Wire specialties
335	" 18	United Factories Ltd	Newmarket	Woodenware
336	" 18	"	"	"
337	Nov. 18	United Factories Ltd	Newmarket	Woodenware
338	Nov. 18	"	"	"
339	Nov. 18	"	"	"

Western Districts of Ontario.—Continued.

Person injured.	Age.	Particulars.	No.
John Forsyth	28	Right side bruised while working at planing mill.	279
Charles Collins	37	Second finger of left hand cut at top while handling malleable castings.	280
James Moore	35	Hip injured by a piece of falling timber.	281
H. Johnston	20	Second finger on right hand amputated at root of nail; caught between dies of power press.	282
Ward Miles	29	Fell through floor, a distance of about 18 feet; head and face bruised.	283
John Gough		Hand bruised; caught in roller while working on planer.	284
Fred. Hoppke		Nail of middle finger on right hand taken off on a blanket wringer.	285
Everett Fisher	25	Left hand bruised while piling oak planks.	286
Clarence Overholt	17	Right eye burned by a piece of lime.	287
Frank Linfoot		First finger of left hand crushed under anvil of corner-staying machine.	288
William Jacklin	20	Eye burned while pouring moulds; iron splashed.	289
J. V. Harvey	43	Left arm broken between shoulder and elbow; slipped off a ladder and fell to floor.	290
J. M. Wisner	42	Right eye injured while grinding a chisel; something flew up and struck eye.	291
Charles Adger	31	Thumb on right hand crushed between two wheels while putting a casting in mill.	291
Ernest Smith		Nail of index finger on left hand taken off while extricating can from crimping machine.	293
George Henry		Ball of foot bruised; cable of elevator gave way while he was on it.	294
M. Howell		Slight scalp wound, by breaking of cable in elevator.	295
B. Macklin		Foot bruised by breaking of cable in elevator.	296
George Lawson	15	Skin and part of flesh scraped off three fingers of left hand on breaker trapping machine.	297
A. J. Seymour	44	Severe bruise to right groin; struck with a sledge hammer.	298
J. Harvey	34	Toe of left foot bruised while removing machinery; got under gear wheel	299
John Gerbig	15	*While working in card room weighing stock, went behind card, and put his hand in card machine, contrary to orders; was drawn in, and dead body was found at back of machine.	300
A. Lane	24	Third and fourth fingers of left hand burned by hot iron.	301
Philip Gilbert		Finger crushed in folding box machine.	302
Clarence McDonald	17	Lost his right eye, while in the act of adjusting a belt,	303
Charles Storms	18	Third and fourth fingers burnt by a hot mould of iron.	304
Eric McKenzie		Nail of thumb crushed off; caught between door and jam.	305
Jennie McKenna	17	Neck injured; leaned over elevator gate while car was above, and was caught between gate and floor of elevator.	306
George Halcrow	21	Head cut about two inches; while helping to put up heater pipes, small piece of pipe struck head.	307
J. Houlding	51	Right wrist sprained; caught between pulley and ladder.	308
Fred. Redman	30	First, second and third fingers of right hand crushed off at second joint by a trip hammer.	309
C. Osier	22	Right hand blistered and poisoned by copper dust.	310
J. Osbourne		Right leg fractured in two places; struck by a steel plate.	111
Martin Sweney		Side of head and face badly bruised and cut; struck by a piece of steel.	312
George Sillibs		Finger bruised, hand caught in automatic glue jointer.	313
Levi Horney		Sliver from a board run in between second and third knuckle, while working on rip saw.	314
Samuel Davidson	32	Right eye injured by a piece of emery striking it.	315
Albert Winterbottom	23	Collar bone broken by boiler turned so as to catch him.	316
John Cramball	23	Cheek cut by a small emery breaking.	317
James Northcutt	40	*Became entangled in belt by his clothes catching; body was drawn in tween pulley wheel and husk block, causing death.	318
Alex. McGregor		First finger on left hand cut off by rip saw.	319
William Daw		End of thumb cut on rip saw.	320
Arthur Homes	35	Body bruised and internally injured. Fell a distance of about 25 feet while putting a roof on building.	321
May Shaw		Little finger of left hand smashed between frame and rollers of sewing machine.	332
Geo. Yates		*While making some repairs to a belt became entangled with the same: wound around shaft, receiving injuries resulting in death.	323
John Taylor		Arm amputated above the elbow joint; caused by a blow from emery wheel.	324
B. G. Clampitt		*Lathe slipped while being moved on his waggon, pinning him against an iron tank; being crushed to death in a few minutes.	325
Fred. Black	15	Hand crushed; caught between rollers and combing pin bars.	326
F. Theyer	25	Left foot bruised while moving gear casting.	327
Antone Vemeon	35	Left thumb bruised by a bar of iron.	328
Thomas Manewell	40	First finger of right hand cut by an emery wheel.	329
William Russell	22	Second finger of left hand bruised while piling gearing wheels.	330
J. Smithen	22	Right eye bruised while working on bolt machine.	331
Wm. Thompson	62	Hand injured by falling on a loose nail.	332
Bert Henry		Nail of first finger on left hand crushed off in staying machine.	334
Harry Barnett	17	Small portion of each of first three fingers taken off by stamping machine	335
John Agnew	40	*Instantly killed by boiler explosion.	335
Frank Birch		*Badly burned by boiler explosion; died one hour after.	336
Henry Trivertt		Badly burned by boiler explosion; will probably recover.	337
James Forham		Badly scalded by boiler explosion; will probably recover.	338
Daniel Cook		Injured by falling walls; caused by explosion.	339

* Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employer.	Place.	Business.
340	Nov. 18	United Factories Limited	Newmarket	Woodenware
341	Nov. 18	"	"	"
342	Nov. 26	Guelph Carpet Mills Co.	Guelph	Carpet mill
343	Nov. 27	International Harvester Co.	Hamilton	Harvest machines
344	Nov. 26	"	"	"
345	Nov. 26	"	"	"
346	Nov. 25	"	"	"
347	Nov. 26	Lake Huron & Manitoba Milling Co.	Goderich	Flour mill
348	Nov. 24	Bertram Engine Works Co.	Toronto	Engines
349	Dec. 2	International Harvester Co.	Hamilton	Harvest machines
350	Dec. 3	"	"	"
351	Nov. 16	"	"	"
352	Dec. 4	Goold, Shaply, Muir & Co.	Brantford	Windmills, etc
353	Dec. 12	International Harvester Co.	Hamilton	Harvest machines
354	Dec. 11	Stauntons, Ltd.	Toronto	Wall paper
355	Dec. 3	The Columbia Handle & Lumber Co.	London	Lumber, etc
356	Dec. 7	International Harvester Co.	Hamilton	Harvest machines
357	Dec. 7	Ontario Sugar Co.	Berlin	Sugar refinery
358	Dec. 12	International Harvester Co.	Hamilton	Harvest machines
359	Dec. 11	M. B. Perine & Co	Doon	Linen mills
360	Dec. 11	International Harvester Co.	Hamilton	Harvest machines
361	Dec. 10	The Fairgrieve Mfg. Co.	Toronto	Wire specialties
362	Dec. 11	The McClary Co.	London	Stoves, etc
363	Dec. 5	International Harvester Co.	Hamilton	Harvest machines
364	Dec. 5	Canadian Colored Cotton Mills Co.	"	Cotton mills
365	Dec. 4	Imperial Cotton Co.	"	"
366	Dec. 8	International Harvester Co.	"	Harvest machines
367	Dec. 8	"	"	"
368	Dec. 4	"	"	"
369	Dec. 3	"	"	"
370	Dec. 7	"	"	"
371	Nov. 27	The Stratford Mill Bldg. Co.	Stratford	Mill machinery
372	Dec. 7	Waterous Engine Works Co. Ltd.	Brantford	Machinery
373	Dec. 4	"	"	"
374	Dec. 3	The Dowling & Leighton Co. Ltd.	Harriston	Furniture
375	Dec. 10	The International Harvester Co. Ltd.	Hamilton	Harvest machines
376	Dec. 9	"	Hamilton	"
377	Dec. 11	"	"	"
378	Dec. 18	The McClary Mfg. Co.	London	Stoves, etc
379	Oct. 31	The Woltz Mfg. Co	Toronto	Mouldings
380	Dec. 12	International Harvester Co.	Hamilton	Harvest machines
381	Dec. 11	D. W. Thompson Co.	Toronto	Mattress factory
382	Dec. 17	Semmens & Evel	Hamilton	Undertakers' supplies
383	Dec. 10	The Gutta Percha Mfg. Co.	Toronto	Rubber goods
384	Dec. 23	The Hamilton Steel and Iron Co.	Hamilton	Steel works
385	Dec. 19	E. Leonard & Sons	London	Engines and boilers
386	Dec. 23	The Riordon Paper Mills Co.	Merritton	Paper mills
387	Dec. 21	The International Harvester Co.	Hamilton	Harvest machines
388	Dec. 21	"	"	"
389	Dec. 24	"	"	"
390	Dec. 23	United Factories, Ltd.	Toronto	Brushes, etc
391	Dec. 24	International Harvester Co., Ltd.	Hamilton	Harvest machinery
392	Dec. 23	"	"	"
393	Dec. 24	"	"	"
394	Dec. 31	The London Machine Tool Co.	London	Machine tools

WESTERN DISTRICT OF ONTARIO.—Continued.

Person injured.	Age.	Particulars.	No.
William Bell		Cut by falling bricks; caused by explosion.	340
Parnell Howard		Injured by falling bricks; caused by explosion.	341
—. Beach		Legs scalded while soaking cops; kettle boiled over.	342
A. Worrall	18	First finger of right hand cut at first joint while grinding castings.	343
Harry Maw	42	Left thumb cut by a roller.	344
Arnt. Wessmann	25	Left thumb and first finger cut while working a jig drill.	345
Frank Hall	18	Left fourth finger burst; caught between wheelbarrow and truck.	346
John Tutt	54	*While trimming grain, clothing got caught in a shaft coupling, with the result that his back was broken; died instantly	347
J. Kiddle	50	Piece of babbit flew into eye, causing loss of sight.	348
C. W. Place	30	Right thigh bruised, while helping to take down a steel beam.	349
Jos. Kelley	25	First finger of right hand burst at top; while tapping, spindle came down on finger.	350
Robert Smith	24	Right ankle bruised, while pushing a truck loaded with iron.	351
James Croll	20	Second and third fingers and palm of left hand torn off on a sewing machine.	352
F. Bowers	23	Right hand punctured while placing a belt on sander.	353
S. Ray		Foot crushed between a barrel and wooden partition while unloading color barrels.	354
James Smith		Arm seriously cut; sleeve caught in saw.	355
F. Thayer	25	Large toe of right foot badly crushed and nail torn off while pulling a waggon loaded with castings.	356
Fred. J. Clinton	35	*Got caught in a belt and wound up on main shaft; instantly killed.	357
S. Mulholland	20	Third finger of right hand cut while running a drill.	358
John Cousens	50	Left hand above the wrist amputated; hand caught in gears on card machine while cleaning it.	359
C. Scott	43	Both eyes injured by emery dust while grinding castings.	360
Charles Bryce	25	Tip of right thumb taken off by neglecting to remove hand from under stamping die press.	361
William Thurlow	23	Right forefinger cut off at first joint; placed hand under press while cleaning it.	362
W. Manserburger	20	First finger of right hand cut while sharpening a shear knife on emery wheel.	563
Jessie Dodd	16	Nail of first finger of right hand torn off, being caught in drawing gear of speeder frame.	364
Lillian Stout		Finger injured, being caught in a gear.	365
A. Sharpe	29	Part of top of left thumb crushed off while running eye bender machine.	366
Geo. Brown	21	Right foot burned by some hot iron splashing on it.	367
Chas. Harry	27	Right thumb burned while heating a ladle of iron.	368
William Flynn	40	Right heel burned by some hot iron.	369
R. F. Livesey	35	Right knee bruised while setting up a machine table.	370
Herbert Rigg		Hand crushed in key seating machine.	371
Daniel Downie		Third finger of left hand crushed while operating power shears.	372
Joseph Butler		Index finger of right hnnd crushed while operating a pipe cutting machine.	373
William Buchanan	45	Point of finger and slice off palm of hand; caught in knives of buzz-planer.	374
S. Forbes	18	Right side of neck, shoulder and thigh bruised; clothes caught in a reamer which drew him into the lathe.	375
John Kingsbury	24	Right foot cut; stepped on nail.	676
W. P. Flood	22	Right thumb cut at second joint and back of hand burned; was pulling moulds back while pouring.	377
Edward Rogers	42	Forearm cut while putting a pan into the lathe; pan flew out and struck him.	378
Joe. Galley		Heel injured; caught between the elevator and one of the floors.	379
A. Kime	27	Left foot burned; some hot iron splashed on it.	380
C. F. Walker		Five fingers of left hand cut on shaper.	381
Anthony Polouka		Three fingers of lsft hand cut while working on jointer machine.	382
William Gallagher		End of second finger of left hand jammed while using elevator.	383
Sam Stevenson		*While leaning across the couplings on rolls to arrange water-pipe, in some way his arms caught in rolls, putting him in between them; his arm and head were crushed, and he died in a few minutes after the accident.	384
Wm. Moore		Slightly bruised; cloth caught in turret lathe.	385
Charles Ware	43	Left leg broken in two places while engaged hauling a jordan engine; foot got under rollers.	386
Henry Dingle	21	Left eye injured by emery dust; flew off while sharpening a reamer.	387
A. Ledgerwood	27	Third finger of left hand broken between first and second joint; fell over a pipe while walking in the dark.	388
A. Nichols	41	Both eyes injured by emery dust while grinding castings.	389
Osman Reed	17	Leg slightly scalded by stepping into a hot water barrel.	390
Dickson Mossain	23	Upper lip and nose punctured; face struck by a piece of steel.	391
J. Hover	26	Fourth finger of left hand punctured while cutting drawbars.	392
W. Arnold	31	Left foot badly burned; some hot sand was dumped on foot.	393
Walter Bainard	24	*Killed while working at a planer. Examination showed that he had been kneeling down for some unknown purpose, unmindful that there was a little projection coming from behind, and he was caught between this projection and the side head. He was found lying forward on his hands and knees with an ugly wound on back of his head. Death must have been instantaneous.	394

*Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employer.	Place.	Business.
1	Jan. 5	Canada Cycle and Motor Co	Toronto Junction	Bicycles
2	" 12	The Rathbun Co	Deseronto	Cedar mill
3	" 14	"	"	"
4	" 7	Gendron Mfg. Co	Toronto	Reed furniture
5	" 17	"	"	"
6	" 12	Frost and Wood Co., Ltd	Smith's Falls	Agricultural Implements
7	" 15	"	"	"
8	" 22	Firstbrook Box Co	Toronto	Boxes
9	" 22	Trent Valley Woollen Mfg. Co	Campbellford	Woollens
10	" 26	Kemp Mfg. Co	Toronto	Metal ware
11	" 20	The Rathbun Co	Deseronto	Blacksmith's shop
12	" 28	Can. Gen. Electric Co	Peterboro'	Electrical supplies
13	" 30	The Peter Hamilton Co., Ltd	"	Agricultural machinery
14	" 30	The Rathbun Co	Deseronto	Machine shop
15	" 30	"	"	Blacksmith shop
16	" 29	Reid & Brown	Toronto	Castings
17	" 29	"	"	"
18	Feb. 5	Kemp Mfg. Co	Toronto	Metal ware
19	" 4	"	"	"
20	" 4	Canadian Pacific Railway Co	Toronto Junction	Car shop
21	" 4	Frost & Wood Co	Smith's Falls	Malleable shop
22	Jan. 21	Canadian Pacific Railway Co	Perth	Car shop
23	Feb. 12	Firstbrook Box Co	Toronto	Boxes
24	" 20	Can. Gen. Electric Co	Peterboro'	Electrical supplies
25	" 19	"	"	"
26	" 23	Firstbrook Box Co	Toronto	Boxes
27	" 26	"	"	"
28	" 27	Can. Gen. Electric Co	Peterboro'	Electrical supplies
29	" 26	"	"	"
30	Mar. 2	Kemp Mfg. Co	Toronto	Metal ware
31	Feb. 26	Canadian Pacific Railway Co	Perth	Car shop
32	" 28	Can. Gen. Electric Co	Peterboro'	Electrical supplies
33	Mar. 5	J. & J. Taylor	Toronto	Safes
34	" 5	Skinner & Co., Ltd	Gananoque	Carriage hardware
35	" 13	Firstbrook Box Co	Toronto	Boxes
36	" 14	The Rathbun Co	Deseronto	Sash factory
37	" 16	Firstbrook Box Co	Toronto	Boxes
38	" 14	Canadian Portland Cement Co	Strathcona	Cement
39	" 9	James Smart Mfg. Co	Brockville	Hardware
40	" 19	The Rathbun Co	Deseronto	Machine shop
41	" 20	Can. Gen. Electric Co	Peterboro'	Electrical supplies
42	" 24	Robert Watson Co	Toronto	Confectioner
43	" 25	Kemp Mfg. Co	"	Metal ware
44	" 25	Firstbrook Box Co	"	Boxes
45	" 24	Can. Gen. Electric Co	Peterboro'	Electrical supplies
46	" 28	Firstbrook Box Co	Toronto	Boxes
47	" 17	Canadian Pacific Railway Co	Perth	Car shops
48	" 31	Firstbrook Box Co	Toronto	Boxes
49	" 30	The Rathbun Co	Deseronto	Machine shop
50	April 1	The Firstbrook Box Co	Toronto	Boxes
51	" 6	"	"	"
52	" 6	"	"	"
53	" 6	"	"	"
54	" 6	"	"	"
55	" 8	The Rathbun Co	Deseronto	Cedar mill
56	" 10	"	"	Machine shop
57	" 10	Sylvester Bros. Mfg. Co	Lindsay	Agricultural machinery

CENTRAL DISTRICT OF ONTARIO.

Person injured.	Age.	Particulars.	No.
Miss Riddiford	15	Third finger amputated and fourth finger of right hand crushed by pulley; fingers caught between punch and die.	1
William Redmond	34	One finger split while cleaning around saw with a piece of shingle, putting his hand on edge of saw.	2
Wesley Joyce	33	Ends cut off first two fingers on left hand; hand slipped against saw.	3
William Alexander	26	His foot slipped while unloading a case, which fell on him injuring hip.	4
A. Lubar	40	Right hand cut while operating a saw; wood slipped.	5
Albert Foster		Right eye badly injured by a piece of flying steel while working drop press.	6
Walter Halliday		Forefinger of left hand severed above first joint while pressing malleable castings under a drop hammer.	7
D. Huick	19	Left eye injured slightly; a knot flew back while ripping, striking him on the eye.	8
May Hare	18	Two fingers crushed and one broken in feed wheels of second breaker in card room.	9
Albert Secker	25	First joint on first finger of left hand cut off while operating press.	10
E. Amey	21	Right eye burned by a spark flying into right eye.	11
C. W. Peeling	19	First three fingers of left hand and second and third fingers of right hand badly lacerated, being caught between two rollers of rubber making machine.	12
William Quibell	35	While ripping a piece of hardwood with circular saw a piece flew back and struck him on chin, breaking his jaw and knocking out several teeth.	13
Arthur Wanamaker	21	Finger of left hand jammed in drill.	14
William Gault	30	Left leg skinned by a block of iron knocking it	15
J. Barker		Slightly injured by an iron falling on him, which was used for lifting weights.	16
William Tobias		Injured slightly by an iron falling on him, which was used for lifting weights.	17
Wm. Boyd	22	First finger on right hand crushed while stamping screws in a press.	18
Richard Cunnington	22	Knee cap of left leg cut and bruised by a case falling on him.	19
Arthur McCabe	24	Three toes of right foot injured, being struck by an iron bolster turning off a truck to the floor.	20
W. Hudson		Small finger of right hand jammed between two frames while loading binder frames.	21
Edward Cooper	15	While cleaning out tapping machine bruised two first fingers and thumb in gearing.	22
Fred. Robinson	46	While working in the mill bruised thumb on right hand by a rip saw.	23
R. B. Foster	20	While testing transformers changed his connection without shutting off current, and received a shock of 1,000 volts, burning both hands badly.	24
H. Fair	20	First and second finger broken while boring a piece of brass with a twist drill.	25
Roy Donsel	15	First finger on right hand crushed in self-feeding rip-saw.	26
Fred. Crosby		Two fingers and thumb of right hand crushed in a grooving machine.	27
A. Morrison	25	Both hands burned by shellac pot upsetting.	28
Eric Kimball	16	Second finger of left hand amputated at first joint while cleaning machine.	29
Parnell Lindsay	16	Second finger of right hand cut across the nail by trimming machine.	30
John Smith	36	Second finger of left hand amputated between wood machine and sill.	31
J. D. Manley	30	Both hands and side of face burned by a hot compound splashing on him.	32
William Knighton	53	*Killed by bursting of an emery wheel.	33
William Bates		First and small finger badly cut and second finger amputated at first joint by coming in contact with knives in shaper.	34
Arthur Suter	18	Palm of right hand cut with a cross-cut saw.	35
Joseph Aucler	15	Right arm cut by a saw.	36
Alex. Pilson	17	Left eye injured by a knot from groover machne.	37
George Sweet	33	Ankle sprained; slipped on nail.	38
Frank Wallace	19	Left arm torn out at elbow joint while adjusting a belt on pulley in lawn mower department; caught in belt and was carried around shaft.	39
Alex. Gaulin	21	Four fingers on left hand lacerated by iron pulley.	40
Alex. Davidson		Index finger of left hand crushed by punch press.	41
Hilton Bell	14	Four fingers and part of thumb of right cut off in a drop roller candy machine.	42
George Wilks	15	Second third and fourth fingers crushed on left hand, the first finger off at first joint, by a press.	43
Vern Richmond	27	Thumb on right hand cut off between first joint and nail, on rip saw.	44
Charles Foy	16	Finger amputated above first joint, being caught in beading rolls.	45
Alex. Killacky	18	First and two middle fingers cut on saw.	46
Thomas Kean	26	Left hand cut below knuckle by saw.	47
William Drew	22	A knot flew back from a board and struck his left eye.	48
Anson Allore	25	Left hand burnt across hand by falling on hot bolt.	49
Thomas Agnew	24	Second finger and right hand crushed by a truck.	50
G. Webster	41	Top of second finger on left hand cut off by self-feeding rip-saw.	51
J. Pharm	20	First finger on left hand crushed in car door.	52
D. Hutson	17	Thumb and first finger on right hand cut by ripsaw.	53
Robert Tilson		Left arm broken while putting a belt on pully; belt pulled arm around shafting.	54
Robert Macfarlane	22	Flesh wound on right foot; while walking down live rollers stepped on jump-up saw.	55
C. S. Parks	35	Cut finger of right hand in wheel borer.	56
John Henders		Hand injured by a trip-hammer.	57

* Fatal.

ACCIDENTS DURING THE YEAR 1903,—

No.	Date.	Employer.	Place.	Business.
58	April 16	The Firstbrook Box Co	Toronto	Boxes
59	" 17	"	"	"
60	" 17	Can. Gen. Electric Co	Peterboro'	Electrical suppliess
61	April 21	Canadian General Electric Co	Peterboro'	Electrical supplies
62	" 23	"	"	"
63	" 11	Canada Woollen Mills, Ltd	Carleton Place	Woollens
64	" 25	First brook Box Co	Toronto	Boxes
65	" 29	"	"	"
66	" 30	"	"	"
67	" 30	"	"	"
68	May 2	Canada Locomotive Co	Kingston	Locomotives
69	April 27	John Dick, Ltd	Cobourg	Tweeds
70	May 4	Firstbrook Box Co	Toronto	Boxes
71	" 6	Kemp Mfg. Co	"	Metal ware
72	" 4	The Rathbun Co	Deseronto	Cedar mill
73	" 6	McLaughlin Bros	Arnprior	Lumber, etc
74	" 12	Canadian General Electric Co	Peterboro'	Electrical supplies
75	" 13	The Rathbun Co	Deseronto	Boiler shop
76	" 12	"	"	"
77	" 2	"	"	Car works
78	" 22	Gillies Bros., Ltd	Braeside	Lumber
79	" 13	The Canadian Portland Cement Co	Strathcona	Cement
80	" 23	The Rathbun Co	Deseronto	Cedar mill
81	" 22	Ottawa Car Co., Ltd	Ottawa	Cars
82	" 27	The Rathbun Co	Deseronto	Cedar mill
83	" 26	John Dick, Ltd	Cobourg	Bag factory
84	" 29	Canadian General Electric Co	Peterboro'	Electrical supplies
85	" 29	"	"	"
86	June 4	"	"	"
87	June 6	The Rathbun Co	Deseronto	Lumber, etc
88	" 10	Canadian Locomotive Co	Kingston	Locomotives
89	" 10	The Gendron Mfg. Co	Toronto	Reed furniture
90	" 12	The Firstbrook Box Co	"	Boxes
91	" 15	"	"	"
92	" 15	"	"	"
93	" 10	The Rathbun Co	Deseronto	Big mill
94	" 1	"	Gravenhurst	Saw mill
95	" 18	The Firstbrook Box Co	Toronto	Boxes
96	" 17	The Rathbun Co	Deseronto	Cedar mill
97	" 8	Belleville Hardware Co	Belleville	Hardware
98	" 23	Kemp Mfg. Co	Toronto	Metalware
99	" 25	The Firstbrook Box Co	"	Boxes
100	" 25	"	"	"
101	" 25	"	"	"
102	" 25	"	"	"
103	" 23	Christie Brown & Co	"	Biscuits
104	" 23	"	"	"
105	" 25	The Rathbun Co	Deseronto	Cedar mill
106	" 26	L. A. Ross	Cornwall	Saw mill
107	" 27	Canadian Portland Cement Co	Strathcona	Cement
108	June 28	The Rathbun Co	Deseronto	Cedar mill
109	" 27	Gillies Bros., Limited	Braeside	Lumber
110	July 2	Kemp Mfg. Co	Toronto	Metal ware
111	" 2	The Firstbrook Box Co	"	Boxes
112	" 2	"	"	"
113	June 13	The Rathbun Co	Deseronto	Cedar mill
114	July 6	The Firstbrook Box Co	Toronto	Boxes
115	May 16	The Rathbun Co	Deseronto	Cars
116	July 6	"	"	Cedar mill
117	" 8	The Firstbrook Box Co	Toronto	Boxes
118	" 10	The Rathbun Co	Deseronto	Cedar mill
119	" 8	Dominion Cotton Mills Co	Kingston	Cottons
120	" 17	Toronto Paper Mfg. Co	Cornwall	Paper mill
121	" 16	The Rathbun Co	Deseronto	Cars
122	" 18	"	"	Cedar mill
123	" 22	Toronto Paper Mfg. Co	Cornwall	Paper
124	" 20	Gillies Bros., Limited	Braeside	Lumber
125	" 30	Canada Cabinet Co	Gananoque	Furniture
126	" 31	The Rathbun Co	Deseronto	Match splints

CENTRAL DISTRICT OF ONTARIO.—Continued.

Person injured.	Age.	Particulars.	No.
R. Killabeck	17	Top of thumb cut at nail by a rip-saw.	58
James Little	30	Top of first and middle finger taken off on trimmer saw.	59
L. T. Patterson	16	Left arm sawed half way through bone ; shirt sleeve caught in revolving saw.	60
Bessie Jones	20	Back strained while lifting a sagger filled with porcelain to a bench.	61
G. Galley	23	Thumb of left hand lacerated while splitting a piece of board on saw ; will lose first joint.	62
Ernest Brown	11	Bumped his head against frame of machine ; scalp cut.	63
T. McIntosh	14	Little finger of left hand cut off on buzz-planer.	64
Percy Hill	19	Finger on left hand caught between board and self feeding saw ; bruised.	65
W. J. Campbell	22	Forefinger cut, circular saw.	66
Thos. Cornish	20	Three fingers cut off at second joint on rip saw.	67
Frank Matthews		*Arm dislocated at shoulder ; sleeve of smock caught in drill machine. Died May 9th.	68
F. J. Richardson	33	Four fingers lost ; came in contact with blades of revolving fan in dye house.	69
G. Kingdow	22	Top of second finger on right hand jammed off at nail ; caught in nailer.	70
Harry Burridge	20	Second finger on left hand cut off at first joint on trimming press.	71
John Stewart	62	Finger caught between pulley and belt, tearing nail off.	72
James Fraser	35	*Thigh broken and some bruises ; caught in shaft while replacing belt. Died May 14th.	73
H. Davidson	18	Index finger of right hand amputated at second joint, being caught under blade.	74
Robert Wilson	50	Sight of right eye slightly injured by an iron chip from cold chisel.	75
John Killeher	40	Slight cut corner of left eye by piece off cold chisel.	76
James Joyce	22	Top of first finger on left hand cut on band saw, while cleaning it.	77
Peter Leblanc		*While climbing on a box car was thrown off by other cars striking it ; cars passed over him, killing him instantly.	78
Geo. Harris	38	Wrist dislocated ; fell while wheeling out of cars.	79
Daniel Green	45	Middle finger on left hand badly bruised by a large timber falling on it.	80
Chas. A. Porter	24	Both hands and face burned by a 500 volt wire coming in contact with coach screw, causing a flash.	81
Irvine Reid	18	Foot jammed between logs and skid while rolling logs.	82
William Gardiner	47	Right hand lost while oiling fan ; the engine started and fan became in motion.	83
W. Allen	14	Index finger of left hand taken off at knuckle while operating a punch press.	84
J. Logan		Bone of left hand broken and index finger thrown out at socket by placing hand on revolving shaft.	85
W. Edmonds	40	Ribs badly bruised by carrying a box ; fell into excavation, striking left side against track.	86
William Skinner	15	Left hand cut below wrist on edge saw.	87
J. Foster		Right hand injured, being caught in steam hammer.	88
Reginald Hill	16	Right hand crushed between pulley and wire trimmer.	89
James Warren	45	Top joint of left thumb taken off on rip saw.	90
W. McKenzie	21	Thumb of right hand cut on cross-cut saw.	91
C. Porter	16	Finger of left hand crushed by box falling on it.	92
Ernest Mingo	27	Scalp wound on back of head by falling on saw carriage.	93
Jock Olaveson	24	Small bone in leg broken by falling off lumber car.	94
W. Hastings	20	Fleshy part of right hand cut by rip saw.	95
Frank Pringle	20	Arm bruised, being struck by a bolt in sash mill.	96
William Embury		Top joint of first finger cut off by punch press.	97
Albert Cuysh	20	First finger of left hand crushed in die press while stamping.	98
W. Foster	23	Top of first finger on left hand cut on rip saw.	99
John McCarthy	15	Top of second and third fingers on left hand cut on dressing planer.	100
Silas Petch	25	Both thumbs squeezed on squeezer machine.	101
Percy Nuthall	20	Second finger of left hand crushed at nail on squeezer machine.	102
George Hedley	16	Two fingers of left hand crushed to first joint on biscuit cutting machine.	103
Wm. Bulong	30	Right arm cut by glass falling from sky light.	104
Benny Martin	29	Right hand cut by hook on pike pole while picking up a slab from saw.	105
T. H. Sauve		Small finger and part of third cut off on buzz planer.	106
Henry Storms	24	Fourth finger on right hand cut off by motor.	107
Alex Wilkins	39	Thumb nail pulled out, being caught in saw guide.	108
Robert Gilmour		Second finger of right hand cut on saw.	109
Edward Selride	30	Fingers of left hand crushed by die in press.	110
G. Harper	20	Top of thumb at nail cut on rip saw.	111
Frederick McColl	32	Thumb of left hand bruised by piece of wood thrown from rip saw.	112
Alex. Wilkins	39	Right arm badly bruised by being struck with a pulley.	113
Charles Burgess	31	First finger on right hand cut on cross-cut saw.	114
Louis Oliver	18	Slight cut on top of right thumb on rip saw.	115
Daniel Green	45	Left foot badly cut ; stepped on a nail.	116
James Carroll	15	The fleshy part of forefinger on right hand cut on rip saw.	117
W. S. Wells	40	Head struck by a block while unloading wood from car	118
Myrtle Cartwright	16	Tip of finger on right hand crushed while cleaning drawing tender machine.	119
Hugh Ault		Two fingers jammed at end of calendar rolls.	120
Clarence Rorke	20	Thumb bruised ; caught between planer table and car sill.	121
James Rogers	25	End cut off third finger on left hand coming in contact with saw.	122
Thomas Dixon		Lert foot crushed through the falling of a roll shaft.	122
Joseph Vincent		First joint of thumb cut with shingle saw.	123
M. O'Hara		Lost two fingers while working on buzz planer.	125
Edward Taylor		Tip of middle finger on left hand cut on circular saw.	125
			126

*Fatal.

ACCIDENTS DURING THE YEAR 1903.—

No.	Date.	Employer.	Place.	Business.
127	Aug. 6	Kemp Mfg. Co	Toronto	Metal ware
128	July 31	The Firstbrook Box Co	"	Boxes
129	Aug. 4	" "	"	"
130	" 6	Canadian Colored Cotton Mills	Cornwall	Cottons
131	July 30	The Firstbrook Box Co	Toronto	Boxes
132	" 27	Canada Woollen Mills, Limited	Carleton Place	Woollens
133	June 5	McLaughlin Bros.	Arnprior	Lumber
134	Aug. 10	The Rathbun Co.	Lindsay	Shingles, etc.
135	" 10	The Firstbrook Box Co.	Toronto	Boxes
136	" 11	" "	"	"
137	" 12	" "	"	"
138	" 19	Can. Colored Cotton Mills Co., Ltd.	Cornwall	Cottons
139	June 30	The Rathbun Co.	Fenelon Falls	Lumber
140	Aug. 7	A. E. Long	Toronto	Paper boxes
141	" 19	The Rathbun Co	Deseronto	Cedar mill
142	" 18	" "	"	"
143	" 27	The Firstbrook Box Co.	Toronto	Boxes
144	" 28	Canadian Locomotive Co.	Kingston	Locomotives
145	" 28	Canadian General Electric Co.	Peterboro'	Electrical machinery
146	" 27	" "	"	"
147	" 29	The Rathbun Co.	Deseronto	Lath mill
148	" 29	" "	"	Stone mill
149	" 31	" "	"	Lumber
150	" 31	The Kemp Mfg. Co.	Toronto	Metal ware
151	" 29	The Firstbrook Box Co.	"	Boxes
152	Sept. 1	" "	"	"
153	Aug. 31	Canadian General Electric Co.	Peterboro'	Electrical machinery
154	" 28	Gillies Bros., Ltd.	Braeside	Lumber
155	Sept. 2	W. W. Chown Co., Ltd.	Belleville	Tinware
156	" 4	Firstbrook Box Co.	Toronto	Boxes
157	" 5	Toronto Paper Mfg. Co.	Cornwall	Paper, etc
158	" 7	" "	"	"
159	" 8	The Ottawa Car Co., Ltd	Ottawa	Cars
160	" 10	Firstbrook Box Co.	Toronto	Boxes
161	" 11	Kemp Mfg. Co.	"	Metal ware
162	" 15	The Watson Shoe Co.	Campbellford	Shoes
163	" 17	Joseph Simpson Sons.	Toronto	Knitted goods
164	Sept. 17	Firstbrook Box Co.	Toronto	Boxes
165	" 17	Canadian General Electric Co.	Peterboro'	Electrical machinery
166	" 23	Kemp Mfg. Co.	Toronto	Metal ware
167	" 16	Canadian General Electric Co.	Peterboro'	Electrical machinery
168	" 28	Kemp Mfg. Co.	Toronto	Metal ware
169	" 24	The Polson Iron Works	"	General machinery
170	" 1	Kemp Mfg. Co.	"	Metal ware
171	Oct. 2	Firstbrook Box Co	"	Boxes
172	" 2	" "	"	"
173	" 5	" "	"	"
174	Sept. 24	Adams Bros	"	Harness, etc
175	Oct. 5	Gilmour & Co., Ltd.	Trenton	Lumber
176	" 8	Firstbrook Box Co.	Toronto	Boxes
177	Sept. 14	The James Smart Mfg. Co	Brockville	Hardware
178	" 29	Belleville Canning Co	Belleville	Canned goods
179	Oct. 15	Toronto Paper Mfg. Co	Cornwall	Paper
180	" 9	" "	"	"
181	" 20	Canadian General Electric Co.	Peterboro'	Electrical machinery
182	" 20	" "	"	"
183	" 22	Kemp Mfg. Co	Toronto	Metal ware
184	" 21	Canadian Locomotive Co.	Kingston	Locomotives
185	" 20	Canadian General Electric Co.	Peterboro'	Electrical machinery
186	" 21	" "	"	"
187	" 22	The Firstbrook Box Co.	Toronto	Packing boxes
188	" 26	Kemp Manfg. Co	"	Metal ware
189	" 27	Canadian Gen'l Electric Co.	Peterboro'	Electrical machinery
190	" 29	The Belleville Hardware Co	Belleville	Hardware
191	" 22	Canadian Gen'l Electric Co	Peterboro'	Electrical machinery
192	" 24	The James Smart Manfg Co	Brockville	Hardware
193	Nov. 4	Canadian Gen'l Electric Co	Peterboro'	Electrical machinery
194	" 3	" " "	"	" "

CENTRAL DISTRICT OF ONTARIO.—Continued.

Persons injured.	Age.	Particulars.	No.
Charles Cotey	22	First joint of first finger on left hand crushed in power press.	127
James Black	40	The first finger of left hand cut at fleshy part on rip saw.	128
Thomas Baristo	29	The thumb of right hand cut through at nail on saw.	129
Bertha Laperte	16	Injured in small gears.	130
Ernest Pottle	17	Top of thumb of left hand cut off between first joint and end, on rip saw.	131
James Warbrick	23	Foot canght in belting, compound fracture of left leg below the knee.	132
John Gagnon	38	Placed his foot on a horn wheel while in motion; foot was caught between the horns of the wheel, foot bruised, no bones broken; blood-poisoning set in.	133
Joseph Lepage	57	Block flying out of shingle machine let his hand on saw, top of second on left hand cut off.	134
Ralph Potter	56	Injury to left eye while repairing truck, caused by nut flying back.	135
Frank Ross	26	Tops of two middle fingers cut on rip saw.	136
Henry Mahler	29	Top of thumb of right hand cut off at nail on saw.	137
Thomas Clarke	42	Third finger off at first joint, caught in doffer gear.	138
Henry York	39	Left eye cut by a sliver flying from saw.	139
George Kelly	16	Severe flesh wound in arm; caught in gearing of press.	140
Barney Britnell	40	Three fingers on left hand cut by shingle saw.	141
Wm. Toppings	62	Right hand badly bruised while piling blocks in shingle mill.	142
Wm. Semple	20	Top of second finger of left hand cut on shingle saw.	143
Frederick McCormack		Artery in left arm cut by piece of steel from slotter.	144
Wm. Gibbs	28	Great toe broken and foot bruised by pole of rig falling on it.	145
May Carson	18	Index finger of right hand caught in machine; end of finger squeezed.	146
Exiver Corby	16	Thumb of right hand cut off; placed hand on saw.	147
Michael Carey	23	Right side and leg torn; caught in gear wheels.	148
Aleide Cote	65	Top of second and third fingers cut off on right hand by cut-off saw.	149
Garnet Jackson	18	First joint on first finger of left hand crushed by a press.	150
W. Kerton	21	Two middle fingers on right hand jagged on rip saw.	151
G. Findlay	18	Two middle fingers on right hand cut by trimmer machine.	152
Thomas Henry	35	Left foot and leg burned while dropping the shieve; foot slipped into boiling compound.	153
Wm. Anderson		Eyebrow slightly injured while putting belt in place with a stick while machine was in motion.	154
Frank Dowser		Ends of two fingers of right hand smashed in draw press.	155
Wm. Albertson		Thumb cut by piece of wood flying back from rip saw.	156
James Vallance		Ends of two fingers nipped and nails pulled off in callenders.	157
Charles Jerome		The end of one finger cut off on jordan engine.	158
Walter Hill	32	Thumb of left hand cut off half-way between first and second joints by rip saw.	159
Rolan Buelley	25	The first finger of right hand cut on dovetailer.	160
James Clarke	16	First finger on left hand bruised in foot press.	161
John Garvey	16	Thumb crushed in drying-out machine.	162
Albert Bradley	19	Right leg fractured below the knee; while closing fire shutters on roof fell 18 feet to engine room.	163
Samuel Kennedy	16	Thumb of right hand cut across top to under nail on rip saw.	164
Leo Cassidy	14	Second finger of right hand badly smashed by playing with machine while winding wire.	165
Parnell Lindsay	16	Nail on left hand crushed off by a press.	166
A. Flowers	17	Index finger of right hand amputated at first joint; while opening square shears got finger under blade.	167
Arthur Roberts	23	Nail squeezed off thumb while forming lantern tubes by a foot press.	168
James Owen	62	Two arteries cut, also cord of second finger, while running band saw.	169
Albert Secker	25	First finger on right hand crushed by a press.	170
Thomas Farquhar	19	Second joint on thumb of left hand cut by cross-cut saw.	171
James Rogers	18	First and second fingers of left hand cut at fleshy part on cross-cut saw.	172
Jack Rupert	19	The right thumb, internal side and part of nail severed on rip saw.	173
Thomas Kenney	16	Finger smashed while working at the stamping press.	174
Julian LaRou		Badly bruised and crushed; accidentally caught in a revolving shaft.	175
Henry Clarke		Little finger of left hand cut from joint to joint on rip saw.	176
Sidney Nichols	58	Right hip and shoulder bruised; coat caught in gearing.	177
William Lynch		Right arm broken in three places; caught in corn machine.	178
Thos. Dixon		One finger crushed by a bar falling on it.	179
John McMillan		Arm cut in the glass of a window by falling against it.	180
Thos. Killingbeck	40	Both feet bruised and toe of right foot broken, by a crow-bar falling on them.	181
Jos. Lavasseur	45	Foot badly bruised by a crow-bar falling on it.	182
Frank Barlow	23	First finger and thumb on right hand bruised while turning muffin cups.	183
Wm. Zeigler		Left arm broken; fell from a plank and struck the railing of a vessel.	184
Geo. Gauthier	30	Foot jammed by box of rollers falling on it.	185
A. Smeaton	40	Lost sight of eye; particle of steel drill flew striking him on eye.	186
Geo. Bishop	16	First and third fingers had jagged cuts at tops, and second finger cut under first joint on rip saw.	187
Harry Quinn	17	Left hand cut between thumb and finger while double scarving tea kettle breasts.	188
Chas. Delany	18	First finger of left hand broken and joint dfslocated; caught in belt.	189
E. R. Storey	19	Top of one finger and part of next taken off in a punch press.	190
Geo. Mead	25	Small bone broken in right fore-arm; slipped against an iron bar.	191
Robert Mallette	18	Index finger and thumb of right hand caught in gear; had to be amputated at first joint.	192
Geo. W. Allen	23	Great toe of right foot crushed while piling armatures.	193
D. Pemberton	50	Index finger of right hand amputated at first joint; finger caught under blades of power shears.	194

No.	Date.	Employer.	Place.	Business.
195	Nov. 5	Canadian Gen'l Electric Co,	Peterboro'	Electrical Machinery
196	" 6	The Firstbrook Box Co	Toronto	Boxes
197	" 6	" " "	"	"
198	June 25	Wm. Hamilton Mfg Co	Peterboro	General machinery
199	" 25	" " "	"	" "
200	Oct. 6	" " "	"	" "
201	Oct. 27	" " "	"	" "
202	" 17	" " "	"	" "
203	Nov. 2	John Briggs & Son	Brockville	Sash, doors, etc
204	Oct. 27	Firstbrook Box Co	Toronto	Boxes
205	Nov. 11	The Kennedy & Davis Co	Lindsay	Lumber and shingles
206	" 11	Dominion Stained Glass Co	Toronto	Stained glass
207	Nov. 7	Frost & Wood Co	Smith's Falls	Implements
208	" 17	Trent Valley Woollen Mfg. Co	Campbellford	Woollens
209	" 20	Firstbrook Box Co	Toronto	Boxes
210	" 14	The Rathbun Co	Deseronto	Car works
211	" 24	The Imperial Laundry Cg	Ottawa	Laundry work
212	Oct. 27	The Beach Foundry Co	Winchester	Stoves
213	Nov. 26	The James Smart Mfg. Co	Brockville	Hardware
214	Dec. 1	The Gendron Mfg. Co	Toronto	Rattan furniture
215	" 3	Kemp Mfg. Co	"	Metal ware
216	" 2	The Rathbun Co	Deseronto	Cedar mill
217	" 2	J. R. Booth	Ottawa	Lumber
218	" 3	Canadian Gen. Electrical Co	Peterboro'	Electrical machinery
219	" 7	" "	"	"
220	" 2	The Rathbun Co	Strathcona	Cement
221	" 7	Kemp Mfg. Co	Toronto	Metal ware
222	" 9	" "	"	"
223	" 8	The Firstbrook Box Co	"	Boxes
223	" 8	The Rathbun Co	Deseronto	Car works
225	" 15	Kemp Mfg. Co	Toronto	Metal ware
226	" 16	The Firstbrook Box Co., Ltd	"	Boxes
227	" 18	Kemp Mfg. Co	"	Metal ware
228	" 22	The Firstbrook Box Co	"	Boxes
229	" 19	The Rathbun Co	Deseronto	Cedar mill
230	" 23	The Riorden Paper Mills	Merritton	Paper
231	" 19	The Rathbun Co	Deseronto	Sash Factory
232	" 29	Can. Gen. Electric Co	Peterboro'	Electrical machinery
233	" 28	" "	"	"
234	" 30	Kemp Mfg. Co	Toronto	Metal ware
235	" 28	John Briggs & Son	Brockville	Wood work
236	" 31	Kemp Mfg. Co	Toronto	Metal ware
237	" 23	The Wm. Hamilton Mfg. Co	Peterboro'	General machinery

CENTRAL DISTRICT OF ONTARIO.—Concluded.

Person injured.	Age.	Particulars.	No.
H. Dodds	17	Right elbow sprained; tripped over a small tray and fell.	195
Basil Timmore	21	Fingers on left hand cut at top on trimming box.	196
Herbert Clark	28	Second, third and fourth fingers on right hand crushed by girder iron falling on them.	197
F. Gandy		Injured by crane in boiler shop falling and striking him.	198
G. Pogue		Injured by crane in boiler shop falling and striking him.	199
E. Chambers		Leg broken; caught hold of the hook of a derrick and fell a distance of forty feet.	200
E. Carney		Hand cut while working at a band saw.	201
McEntee		Leg burnt; while carrying a hot ladle of iron slipped and fell.	202
James O'Connor	30	Finger and thumb of left hand lacerated: cut on circular saw.	203
B. Green	48	Second toe of right foot cut off at first joint, and foot badly bruised, being caught between hoist and floor.	204
Aimy La Libertie	48	*Fell on a splitting saw and was instantly killed.	205
Willie Fyens	15	Fell and struck his head against the wall.	206
J. E. Genan		Struck on the head by falling timber; skull hurt but not fractured.	207
Miss McConnell	19	Scalp wounded; while working at loom, hair caught in bevel wheels on upright shaft.	208
Walter McPherson		Hand slipped on rip saw cutting first, second and third fingers on right hand.	209
Alva Sohnes	55	Finger torn, caused by bolt slipping.	210
Virginie Blais	18	Fingers crushed; skin torn off, caught in roll of mangle.	211
Abram Ennis	21	*Struck by piece of edging from rip saw, on October 17; was operated on and died October 30.	212
James Grant	30	Thumb amputated below knuckle while grinding hammers; hand caught between guard and stone.	213
John Bass	18	Index finger of left hand crushed in a tire roller.	214
W. H. Balfor	40	Right thumb crushed, taking part of nail off in a press.	215
Lawrence Turner	24	Sprained wrist while throwing slab into furnace.	216
Arthur Haneau	32	Struck on head by piece of timber, causing a scalp wound.	217
L. D. Ramsden	25	Left hand and face burnt; while changing a fuse got across lines.	218
David Fowler	40	Chain broke, causing elevator to drop about 30 feet; leg broken at ankle; also right ankle sprained.	219
Charles Thompson	40	Stepped on a nail; foot sore and swollen as to be unable to wear boot.	220
Joseph Wismer	35	Cut over left eye while double seaming cake tins.	221
Wm. Taylor	14	Cut first and second knuckle on left hand whand while waning blanks.	222
Jos. Walch	25	First finger of left hand cut on rip saw.	223
Robert Masters		Foot bruised; small casting fell on it.	224
Fred. Brackles	20	First finger on left hand cut while piling cake tins.	225
Albert Boyce	15	Thumb of left hand cut on saw. inside; from nail to second joint.	226
Richard Johnson	18	Second finger on lef hand cut half nail off while punching.	227
Frank Green	23	Top of thumb of right hand taken off from centre of nail, on rip saw.	228
Wm. Cook	30	Slightly cut on shingle saw.	229
Charles Ware	43	Leg broken in two places below the knee; while hauling a jordan engine foot caught under rollers.	230
Alex. Green	82	Flesh cut on right arm with a saw.	231
James McMartin	40	Right side, shoulder and back badly bruised; caught between door jam and car.	232
Wm. Graham	17	Second finger of left hand badly lacerated at end; struck by revolving casting.	233
Mitchell Lane	18	Second and third fingers bruised while stamping tin screws with a press.	234
James O'Mearn	40	Third and fourth fingers of left hand amputated, being cut by circular saw.	235
Albert Haighington	23	Small cut on back of right hand; while moving a tank, hand struck against belt.	236
Robert Smith		Two fingers cut by dropping a piece of steel plate on the same.	237

* Fatal.

AN ACT TO AMEND THE FACTORIES ACT.

Assented to 26th April, 1904.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. The following is added to section 7 of *The Ontario Factories Act*:—

(1) Young girls and women in factories shall, during working hours, wear their hair rolled or plaited and fastened securely to their heads, or confined in a close-fitting cap or net so as to avoid contact with working machines or shafting or material being handled. It shall be the duty of managers, superintendents, foremen and others in charge to see that employees are fully notified of the provisions of this section.

2. The paragraph numbered 1 of section 9 of *The Ontario Factories Act* is amended by adding thereto the following words:—

The hours of working in any one day shall not be later than half past six o'clock in the evening, unless a special permit in writing is obtained from the Factories Inspector.

3. Section 15 of *The Ontario Factories Act* is repealed and the following enacted in place thereof:—

15.— (1) (*a*) The owner of every factory shall provide a sufficient number and description of privies, earth or water-closets and urinals for the employees of such factory, including separate sets for the use of male and female employees, and shall have separate approaches to the same, the recognized standard being one closet for every 25 persons employed in the factory.

(*b*) The owner of every factory shall be held responsible for the remedying of any effluvia arising from any drain, or defective plumbing and for any repairs required to keep the building in a safe and habitable condition.

(*c*) The owner of every factory shall arrange for a supply of pure drinking water available for each tenant in the factory.

(2) The owner of every factory who for thirty days refuses or neglects to comply with the above requirements or conditions, after being notified in writing in regard to the same by the Factories Inspector, shall because thereof be deemed to be guilty of a contravention of the provisions of this Act.

4. Section 16 of *The Ontario Factories Act* is repealed and the following enacted in place thereof:—

16.—(1) (*a*) The employer of every factory shall keep the factory in a clean and sanitary condition and free from any effluvia arising from refuse of any kind.

(*b*) The employer of every factory shall keep privies, earth or water-closets and urinals in good repair and in a sanitary condition, and shall be held responsible for keeping closets separated for male and female employees.

(*c*) The employer of every factory shall heat each compartment used by him and regulate the temperature so as not to be injurious to the health and comfort of the employees, and to be consistent with the work performed therein, but in no case shall the temperature be less than 60 degrees Fahrenheit unless specially authorized by the Inspector in writing.

(*d*) The employer of every factory shall be held responsible for ventilating the factory in such a manner as to keep the air reasonably pure and so as to render harmless, as far as reasonably practicable, all gases, vapors, dust or other impurities generated in the course of the manufacturing process or handicraft carried on therein that may be injurious to health.

(*e*) The employer of every factory shall not allow over-crowding while work is carried on therein, so as to be injurious to the health of the persons employed therein, the standard to be allowed being 300 cubic feet of room space for each employee.

(*f*) The Inspector of Factories shall have power in his discretion to require the employer to provide a sufficient number of spittoons and place the same in different parts of the factory, and keep the same clean.

(*g*) In every factory where any process is carried on by which dust is generated and inhaled by the workers to an injurious extent if such inhalation can by mechanical means be prevented or partially prevented, the inspector may, subject to such regulations, if any, as may be made in that behalf, direct that such means shall be provided within a reasonable time by the employer, who in such cases shall be bound so to provide them.

(*h*) The employer of every factory shall provide a supply of wholesome drinking water and proper drinking cups for employees, which must be at least eight feet distant from water-closets and urinals.

(2) Where grinding, polishing or buffing is carried on in any shop the preceding clause (*g*) shall apply irrespective of the number of persons employed therein.

(3) The employer of every factory who for thirty days refuses or neglects to comply with the above requirements or conditions after being notified in writing in regard to the same by the Factories Inspector shall be deemed to be guilty of a contravention of the provisions of this Act.

5. Paragraph (*c*) of subsection 1 of section 20 of *The Ontario Factories Act* is repealed and the following substituted therefor:—

The openings of every hoistway, hatchway and well-hole used for power elevators shall be at each door, including the basement, provided with and protected by good and sufficient trap doors or self closing hatches, or by gates closing automatically, which gates shall not be less than five feet six inches high, and may be in sections, if desired. The sides of the shaft on all doors including basement, not guarded by gates, shall be protected by enclosures at least six feet high, approved by the inspector. Where the elevator is enclosed in a tower having walls over six inches thick, it may be provided with an extra operating rope outside the tower. In every case the elevator must be provided with a lock to secure the operating rope. In case of elevators operated by hand power the gates must not be less than three feet in height and must be automatic closing gates, and the sides not protected by gates must be protected by enclosures not less than four feet in height, approved by the inspector. A clearly painted sign marked "Dangerous" having letters not less than four inches in height must be affixed or stencilled on the bottom rail of every gate, where it well be plainly visible from the outside. The top of every elevator platform shall be provided with a sufficient guard to protect the occupants, approved by the inspector.

6. Section 5 of *The Ontario Factories Act* is amended by inserting the word "June" in the second line after the words "the months of."

REPORT

RELATING TO THE REGISTRATION OF

BIRTHS, MARRIAGES AND DEATHS

IN THE

PROVINCE OF ONTARIO

FOR THE

Year Ending 31st December

1902

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO:
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1903

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TORONTO.

To His Honor W. Mortimer Clark,

Lieutenant-Governor of Ontario:

May it please your Honor:

I herewith beg to present for your consideration the Thirty-third Annual Report of the Registrar-General relating to Births, Marriages and Deaths in Ontario during the year 1903. Respectfully submitted.

J. R. STRATTON,
Registrar-General.

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THIRTY-THIRD ANNUAL REPORT

OF THE

REGISTRAR-GENERAL OF ONTARIO

TORONTO, December 1st, 1903.

To the Honorable J. R. Stratton,

Registrar-General of the Province of Ontario:

Sir,—I have the honor to submit for your consideration and approval the Thirty-third Annual Report made under the Act respecting Births, Marriages and Deaths in the Province of Ontario, being for the year of 1902.

POPULATION.

While the immigration into Ontario during 1902, as well as the emigration from it to the Northwest Provinces, has caused an unusual disturbance of the normal population, yet there being no way of estimating the relative increase and decrease, it is necessary to assume during intercensal periods a normal increase in population based upon the surplus of births over deaths during the year. From Table 1 it will be seen that the births were 47,796 and the deaths 27,864, giving an increase of 19,932, or rather less than 1 per cent. of the census population, 2,184,144, taken as the basis of calculation for 1901. Allowing for the rather less perfect return of births than of deaths an increase of 1 per cent. has been added to the previous population as the basis for calculating the various tables of the report.

BIRTHS.

The total births, as registered for 1902, were 47,796, as compared with 46,061 in 1901, or an increase of 1,735 as compared with a decrease in 1901 of 66, and giving a rate per 1,000 of 21.7. The increases and decreases by counties are set forth in Table 1 of the Report, where it will be seen that 30 counties show an increase of 2,344 and 14 a decrease of 609. The following counties show increases of over 100: York, 595; Algoma, 413; Simcoe, 106; and Northumberland and Durham, 109; while Renfrew alone shows a decrease of over 100, it being 118. The fact that the counties with a large French population should show a decrease, Prescott and Russell having 78, and Stormont, Dundas and Glengarry, 46, is a point of some interest, as probably showing like Grey, Renfrew and so on a removal of some of the young adult population to other areas. It is apparent that Algoma has been the centre of most rapid increase in the counties, apart from York, where Toronto, with 599, shows an increase greater than the total increase in the 14 cities together which have 594. The other new districts of Rainy River, Thunder Bay and Nipissing, do not show any great increase, the former showing a decrease of 11, and the other two only 80 when added together. That Carleton, which, in 1901, showed an increase of 407, should show a decrease of 53 in 1902, can scarcely be ex-

plained, except on the supposition of imperfect returns. This decrease was 55 in Ottawa, where the population increase has, for a number of years, been quite remarkable. Equally notable is the fact on the opposite side that, while in 1901 Northumberland and Durham showed a decrease of 111, in 1902 it shows an increase of 109.

The variation in the rates of births per 1,000 is further of much interest as illustrating variation in the quality of a population as regards nationality and age. In Nipissing the rate has reached 39.9, in Prescott and Russell 35.9, and in Algoma 30.3. Haliburton comes next with 29.4, Pary Sound with 29.3, Muskoka with 27.8, Essex with 25.8, and Carleton with 24.6. On the other hand, certain counties show a rate notably below the average. Of these the lowest is Prince Edward with 16.3; Peel had 17.1, Lennox and Addington 17.2, Middlesex 17.3, Rainy River 17.5, Elgin 17.7, Leeds and Grenville 17.8 and Lincoln 17.9. It is apparent that the law of the distribution of population in age periods explains in part the low birth-rate in several of these old-settled counties, though, in the two counties of Middlesex and Elgin both having a rapidly growing city in them, such rates must, as before remarked, be looked upon as due in part to imperfect registration.

Births in Cities. In table 2 will be found the birth rates in the 14 cities of Ontario. The rate per 1,000 is 22.2, being 0.5 above the average for the Province. The total increase over 1901 is 554, being slightly more than 1 per cent. in a population of 479,965. Of these cities eight showed an increase, five a decrease and one no variation. Excepting Toronto, it is regrettable to remark that the total decreases were rather greater than the increases; Ottawa had a decrease of 55, Belleville 46, Hamilton 23 and St. Catharines 18; while Toronto had 599, Kingston and Chatham 32, Woodstock 19, Guelph 17, Stratford 12 and London 2, over the births of 1901. The totals as regards rate per 1,000 vary notably, and must be studied in connection with the rate of population growth in order to give a fairly true idea of the relative completness of returns. The Toronto birth rate of 24.0 must be considered satisfactory, as compared with that of 1901, except for the fact that the 1 per cent. of increase applied to the population increase according to assessment returns is much too small and should have been over 2 per cent. The Ottawa rate of 26.3 is probably too low, remembering the very considerable French population; while that of Brantford, 24.8, illustrates probably too small an increase in the population, which is largely artizan. Hamilton with 18.0, is, there is but little doubt, badly registered; while Belleville maintains not only its old low place, but actually outdoes itself with a rate of 11.9. It is trusted that the records of the past year may not under new local conditions be repeated. London with 18.5, St. Catharines having 18.9, Stratford 18.4 and Chatham 17.9, present a group of cities in all of which there is reason to believe defective registration plays a part in the abnormally low birth rate.

Birth Rate in Towns. The towns of the Province, which include practically the county towns, are becoming yearly of increasing importance, one after another passing into the city group. Of the 31 found in Table 3 with a total population of 143,762, Peterborough has over 10,000, it being 11,351; Brockville, 9,029; Berlin, 9,844, and Owen Sound, 8,863. The rate per 1,000 of the group is 24.5, being higher than the cities. The general average is, however, affected by three anomalous rates. L'Orignal with 53.1, North Bay with 51.2 and Sault Ste. Marie with 51.2. In two at least of the three it is probable that the rapid increases of population have

made the divisor too small. In only two or three does the rate seem to indicate imperfect registration, Brampton having but 15.1, Goderich 13.8, Orangeville 14.5 and Picton 15.3.

Taken as a whole, the returns of the birth rate for the Province, must, from the comparative standpoint, be looked upon as fairly satisfactory. It shows not only a total increase over 1901 of 3.7 per cent., but a rate satisfactory compared with the 1 per cent. increase in population. It is not complete and is not yet what is looked for, when we find that of England and Wales with 28.5 of an average, and its lowest county, Sussex, 22.6, and its highest Durham with 36.2. But with the enormous urban population there of 75 per cent. as compared with 45 per cent. in Ontario, it is worthy of remark that the average birth rate, which, in 1895, was 30.3, has there steadily decreased. Assuming the existence of defective registration of births in such cities and towns as have been indicated, there is room for gratification when a comparison is made of the rate of population increase, when the increase of births over the deaths is considered in each case. In England and Wales while the birth rate in 1901 was 28.5, the death rate, though low relatively, was 16.9 per 1,000, while that in Ontario was 12.6. The increase per 1,000 in England was 11.6, while that in Ontario was 9.1. A similar comparison may be made with the figures for the Province of Quebec, the Report of the Recorder of Vital Statistics for 1901 giving the following: Total births, 55,398; total deaths, 32,219; or rates per 1,000 of 33.5 and 19.5 respectively. The latter comparison shows an increase of 14 persons per 1,000 as compared with 9.1 in Ontario. That there is, however, in the Province of Quebec the operation of the same law of decreasing with rate, with the urbanizing of its population may be seen from the fact that while in 1898, there were 60,345 births and 31,871 deaths, or a population increase of 28,474 in 1901, there were 55,398 or nearly 5,000 fewer births and 32,219 deaths or 348 more than in 1898. In other words, by the operation of the two factors the population increase of 1901 was 5,295 persons less or a gross reduction of 19 per cent., while that of Ontario shows a slight increase in the rate per 1,000 of births over deaths, it being 9.1 as compared with 8.9 in 1898. It seems apparent that the increase in urban populations, when the relative age periods are taken into consideration does, under the stress of modern life, tend directly to a lessening of population increase when compared with the same people occupied in the more simple and health-giving employments of rural life.

Marriages.

The total marriages recorded in Ontario during the year 1902, as seen in Table 1, was 18,072, as compared with 18,035, or an increase of 37. The rate per 1,000 is thus 8.2 for the Province as a whole, and is found as in former years to vary notably, being greater in the cities and town centres than in rural districts, that for the cities being 12.2, and that for the towns 12.8.

The county distribution of marriages varies greatly, that in Essex being as high as 26.7 per 1,000, while that for Rainy River falls as low as 5.3 per 1,000. Apart from these two extreme cases the rate may for an average old-settled county be taken as about 7 per 1,000, although one or two old counties have shown for several years an abnormally low rate, that of Peel being 5.9, with Halton and Frontenac having 6.1 each. It will be noticed that in each instance we have counties with, as shown by the census, a practically stationary population, resulting from the migration

of persons, presumably young men from these districts. With these two or three exceptions the county rate of marriages is a satisfactory one. Thus the rate for England and Wales in 1901 was 7.95, while in several largely rural counties the rates fell to 6.4 in Hertfordshire, and 6.6 in Middlesex, Oxfordshire and Herefordshire. The highest were 8.35 in Staffordshire, 8.75 in Nottinghamshire and 8.8 in London.

Marriages in Cities. The rate in the 14 cities was 12.2 as compared with 11.5 in 1901. Separating Windsor in both years, the increase was 244, a fairly correct indication of the growth of these urban centres. That the City of Windsor is becoming a more than enlarged Gretna Green, where all persons of whatever quality can have the marriage ceremony performed *celeriter et jucundissime* is a fact repugnant to that sense of propriety which is supposed to mark the social qualities of the Canadian people, and would seem to call for some explanation of why this practice has increased in this extraordinary fashion. Apart from this anomaly and a somewhat similar abnormal rate in Chatham, the city returns show a marriage rate of 10.8 per 1,000.

Marriages in Other Countries. That the marriage rate in Ontario is most satisfactory from the standpoint of social progress is seen in the fact that the rate of 8.2 or 16.4 persons married in every 1,000 is high in comparison to the rate in foreign countries.

Persons married per 1,000 in different Countries.

United Kingdom of Great Britain and Ireland (1901)	15.1	per 1000	
England and Wales	15.9	"	
Scotland	11.0	"	
Ireland	10.2	"	
Denmark	14.4	"	
Norway	13.4	"	
Sweden	13.1	"	
Austria	16.4	"	
Hungary	17.4	"	
Switzerland	15.2	per 1000	
Prussia	16.6	"	
Netherlands	15.4	"	
Belgium	16.6	"	
France	15.6	"	
Italy	14.5	"	
Roumania	14.4	"	
Quebec	12.2	"	
Ontario (1902)	16.4	"	

Marriages by Months. The marriages by months, as seen in Table 7, held much the same relation in point of numbers as in 1900 and 1901. The month of June has quite forestalled December, there having been over one-ninth of the total marriages celebrated in that month. December follows in order, while for three years May has been lowest in the list. In all years, however, the fourth quarter of the year, ending December 31, has the largest proportion.

Marriages by Denominations. As seen in Table 8 the number of marriages by denominations maintains the same order as in 1900, the Methodists being 33.4 of the whole, Presbyterians following with 20.3, Church of England 16.1, Roman Catholics 15.3 and Baptists 6.3. To show how slow are the internal changes in an old-settled Province a comparison may be made with 1892. In that year Methodists were 35.0 of the whole, Presbyterians 20.2, Roman Catholics 14.5 and Baptists 5.7. As was noted in the report for 1900-1, the census showed evidence of a relatively small increase, the only definite increase being in French-Canadians, of whom it was estimated that some 30,000 had come in from Quebec.

Marriages by Ages. The following tables show the average ages of both brides and grooms in some of the municipalities. The high average in the older counties of Huron and Perth is quite marked, while the low

age of the bride in Prescott and Russell, Algoma and Nipissing is in keeping with the customs of the French in rural districts.

Table of Marriages by Ages in certain Municipalities.

Municipalities.	Bride's average age.	Groom's average age.
Algoma	23.2	27.8
Peterborough	23.1	27.5
Perth	24.0	30.2
Nipissing	21.8	27.0
Hastings	24.2	28.6
Prescott and Russell	22.2	26.7
Huron	26.1	30.0
Hamilton	25.5	29.2
London	25.3	29.7
Ottawa	25.2	27.6
Toronto	24.3	28.6

Deaths.

The deaths recorded in Ontario in 1902 were 27,864, as compared with 29,608 in 1901, giving a rate of 12.6 per 1,000, as compared with 13.6 in 1901.

From year to year the records of deaths have been more complete and there is reason to believe that the estimate given approximates absolute correctness. A comparative study will shortly be possible of the figures of the Registrar General's returns for the census period, with those of the census returns, and through this comparison the relative mortality of the several Provinces may be estimated.

The death rate, already low, must be accepted as indicating a high average of health, compared with previous years and with other countries. The latter may be seen in the following table:

Deaths per 1,000 of Population in different Countries.

United Kingdom of Great Britain and Ireland (1901)	17.1	Switzerland	18.0
England and Wales	16.9	German Empire	20.7
Scotland	17.9	Prussia	20.5
Ireland	17.8	Belgium	17.1
Denmark	15.8	France	20.1
Norway	14.9	Spain	27.6
Sweden	16.0	Italy	22.0
Austria	24.2	Quebec	19.9
Hungary	25.4	Ontario	12.8

Death Rates in Cities. The death rate in the 14 cities was 15.8 per 1,000, while that in the 31 towns was 15.9. A comparison with the rate in urban centres in the United States and other Provinces shows similarly that the death rate in Ontario cities in 1902, compared most favorably with those in other cities of this continent.

Table showing deaths per 1,000 in different cities:

Paterson, N.J. (106,736), 1901	17.53	Buffalo, N.Y. (352,787)	15.18
Jersey City, L.I. (211,177) 1901	19.12	New York, N.Y. (3,437,202)	20.57
Los Angeles, Cal. (102,489), 1901	18.80	Cincinnati, O. (325,902)	18.89
San Francisco, Cal. (342,782), 1901	20.31	Philadelphia, Penn. (1,293,697	18.66
New Haven, Conn. (108,027), 1901	18.27	Salt Lake, Utah (53,531)	12.63
Chicago, Ill. (1,698,575)	14.37	Milwaukee, Wis. (285,315)	13.48
Boston, Mass. (560,892)	20.15	Toronto (210,120)	15.4
Minneapolis, Minn. (202,715)	12.38	Ottawa (60,527)	19.6
St. Paul, Minn. (163,055)	9.63	Hamilton (53,160)	14.6
St. Louis, Mo. (575,238)	18.43	London (38,360)	15.2

Death Rates in Towns. The rate in the 31 towns where the deaths are separately tabulated was 15.9. The towns, as North Bay and Port Arthur, which are essentially railway terminal towns in a new district, have inevitably brought to them persons dying by accidents, and thus the rates are increased. The rate of 20.8 in Owen Sound is in keeping with the high marriage and birth rates, and evidently indicates that the popula-

tion, taken as an estimate for calculation, is too small. Similarly it would appear that the population given in Cayuga and Orangeville are higher than they should be to give such low rates as 6.4 and 9.9 per 1,000.

Deaths by Age Periods. The observations made in the report for the census year relating to the relative variations in the population at different age periods in Ontario, as compared with other Provinces and with other countries, have proven of interest, and the same subject has been dealt with by Mr. Tatham in the Annual Report of the Registrar-General of England for 1901. The Registrar-General states: "The tabulated results of the census of 1901 showed such a remarkable change in the age constitution as to make it evident that the proportion of deaths to population in 1901 and recent previous years, was not comparable with those in earlier years. Accordingly corrected figures have been made for all years prior to 1901, showing that death rates as they would have been had the age and sex constitution throughout the entire period been the same as that of 1901." Dr. John Tatham, in his study of the causes of deaths, says in the same Report: "As regards those diseases that chiefly affect particular ages, comparisons of the county-death rates at such ages may safely be made. For example, the distribution is fairly shown of the diseases that are chiefly fatal to very young children. But in comparing the local prevalence of diseases that are common to all periods of life a difficulty arises which has often been adverted to in these reports." The mortality from most diseases varies with the age of the patient, and for the reason that the proportion of the population living at each age also varies, according as the community is mainly urban or mainly rural in character, it follows that all crude death rates at all ages calculated without allowance for these variations must be regarded as at best but roughly comparable.

"Reference to Table D on page xvii, shows that almost without exception the general death rates in the counties which are mainly urban have been increased, and those in the mainly rural counties have been reduced by correction for age and sex constitution of the population. If then a comparison between Lancashire and Norfolk is made and the correction applied it is found that the death rate in the first is raised from 19.4 to 21.1 and the latter decreased from 16.2 to 13.8 per 1,000. In other words, whilst the crude rates of mortality show an excess in the case of Lancashire amounting to 20 per cent., the corrected rates show an excess of 53 per cent."

These conditions were referred to in the study of the deaths for 1900 where the variations between the deaths in 1891 and 1900, as affected by distribution of population, were fully illustrated.

Reference to the following table will show the variation for the several periods in 1901 and 1902:

Table of Deaths by Age Periods, 1897 to 1902, inclusive.

—	0-1	1-5	5-9	9-14	15-19	20-24	25-29	30-39	40-49	50-59	60-69	70-79	80 and over.	Not given.	Total.
1897	6,187	2,221	806	636	944	1,139	1,192	1,913	1,703	1,833	2,582	3,587	2,707	183	27 633
1898	5,975	1,992	761	518	830	1,072	1,013	1,790	1,631	1,865	2,713	3,429	2,635	143	26,379
1899	6,342	1,910	762	569	909	1,172	1,049	1,853	1,753	2,026	2,854	4,142	3,122	144	28,607
1900	5,174	1,989	803	563	941	1,257	1,083	1,908	1,819	1,931	2,949	3,825	3,099	164	29,494
1901	6,543	1,854	816	571	897	1,182	1,099	1,993	1,908	2,135	3,036	4,051	3,336	186	29,608
1902	6,003	1,984	826	571	791	1,078	937	1,941	1,927	1,185	2,916	3,036	3,065	264	27,864
Average	6,037	1,991	795	571	885	1,150	1,062	1,899	1,790	1,962	2,841	3,678	2,994	180	

The comparison may be instituted between these several years, and within more narrow limits certain variations in the same age period are

apparent in spite of the fact of the annual mortality rate varying quite notably in some years. This is well illustrated by comparing the year 1900 with 1902. The latter year has a total of 1,630 fewer deaths, but the deaths under one year are 829 less; the deaths between 1 and 5 are practically the same. The same is true of the periods 5-9 and 9-14, but the period between 15-29 shows a notably less number in 1902 than in 1900. The next three decades are practically the same, while the deaths in the three last decades of 1902 are mostly the same, although comparatively they should have been somewhat lower had they maintained the general characteristics of the year.

The low mortality rate during the years of school life is especially significant and illustrates what will be seen in a further table regarding the deaths from contagious diseases.

With the quite notable increase in immigrants to Ontario, the increasing number of industries and the growing population of towns, as shown in the increased birth rate, it is probable that the distribution of population in age periods shown in the report of 1900 to be abnormal, will during the present decade again approach a normal. Especially will the tendency be in this direction as the present old persons who were immigrants between 1840 and 1860, during which nearly one million were added to the population, must necessarily, year by year, become less in number.

Deaths by Counties. These may be studied in Tables 1 and 9 in the special tables, and as usual show several notable variations. Accidental conditions of location have given to Thunder Bay, with many men engaged in railway work, a disproportionate number of deaths, there being 16.8 in 1,000, while Nipissing has similarly 16.8. It is quite probable, however, that the influx of settlement has made the population taken as a divisor too small. Carleton, with Ottawa city, shows, as in previous years, an unduly high rate. York is low, remembering that Toronto is situated within her boundaries. The large agricultural counties of Huron with 10.4, Dufferin with 9.0, Elgin with 10.6, Huron with 10.0, Peel with 10.8 and Waterloo with 10.0 may be taken to illustrate the very high position Ontario stands in the matter of healthfulness.

Deaths by Cities and Towns. The deaths from all causes for the fourteen cities will be found in Table 2. It will be noticed that the average, 15.8 per thousand of the population is 1.2 less than in the preceding year. Ottawa is again the highest in the list, 19.6, with Guelph the lowest, 12.2. From the following table of deaths in fifteen of the large towns of the United Kingdom it will be seen that the death rates of the cities of Ontario compare favorably with these.

Death-rate in Cities of Great Britain.

NAME	Estimated population in the middle of 1902.	No. of Deaths.	Rate per 1,000 of Population.
London	4,579,110	82,540	17 7
Brighton	124,539	2,001	15.8
Southampton	107,756	1,667	15.2
Bristol	334,632	5,905	17.4
Birmingham	528,181	9,997	18.6
Leicester	216,389	3,275	14 9
Manchester	549,170	11,143	20.0
Bradford	281,771	4,530	15.8
Leeds	437,037	7,797	17.6
Sheffield	418,177	7,257	17.1
Liverpool	710,377	15,392	21.6
Edinburgh	322,966	5,855	17.8
Glasgow	775,601	15,836	20.1
Dublin	379,003	9,341	24.2
Belfast	358,693	7,577	20.8

By reference to Table 3 it will be noticed that while the average death rate in the towns, 15.9, is less than last year, yet the town of Sault Ste. Marie, 26.3, stands abnormally high, with North Bay, 25.0 a close second; while, at the same time, the birth rate in both these places is also abnormally high, being 51.2 in each case. These apparently high figures are, no doubt, due to an increase of population above that used as divisor. This is shown in the latter town, where a recent report places the population at 3,650 instead of 2,555, which gives a corrected death rate of 17.5 and birth rate of 35.8 per thousand.

Deaths by Classes of Diseases. It will be found from Tables 10 to 15 inclusive, that the class "Communicable (epidemic) Diseases", shows a marked decrease over 1901 of 24.9 per cent., the figures standing at 2,590 and 1,944 respectively. The decrease is also marked in other general diseases, there being 17 per cent. less than in 1901, the figures being 4,407 as against 5,327. There is very little change in the returns of the other groups.

Deaths from Enteric Fever. The deaths from this disease still continue to make the favorable diminution referred to last year, when they fell from 682 in 1900 to 500, or a decrease of 26.6 per cent. For 1902 the total is 392, being a decrease of 21.6 per cent. The deaths in the cities and towns were 0.22 per thousand of the population and in the rural districts 0.15 per thousand. The deaths in the city of Toronto were slightly lower than this latter figure, being 0.14 per thousand, while in the county of York the death rate was 0.13. The two towns which present the highest death rate from this disease are Sarnia with 1.5 and Sault Ste. Marie with 2.0 per thousand. The cause in the latter case was the use of water from springs which at one time were pure, but became contaminated as the population increased before the public water supply and sewerage systems could be extended. This marked diminution in the deaths from this disease, while, in fact, due to seasonal causes, is ascribable in part to the extension of water works in our cities and towns and to the greater interest shown and care taken in securing unpolluted water supplies in the farming districts.

Deaths from Smallpox. The death rate from this disease stands at the same figure as for 1901; but the total number of cases of the disease is less, as will be seen by the Annual Report of the Provincial Board of Health. The case, mortality, was somewhat higher than in 1901. The total deaths for the year were seven.

Deaths from Measles, Scarlatina and Whooping Cough. The decrease has been in the deaths from measles; but both the latter show a marked increase. That from scarlatina was 25.3 per cent. greater than in 1901, the figures being 346 as against 248; while the increase in whooping cough is 23.4 jer cent., or from 166 in 1901 to 205 in 1902.

Deaths from Diphtheria and Croup. While the deaths from this disease show a decline from those of 1900 and 1901, when they were respectively 772 and 738, yet the decline has not reached that of either 1898 or 1899. A study of the distribution of this disease would indicate that during the year it has been slightly more fatal in rural districts than in

cities, the decrease in the cities being 22.1 per cent. from 1901. The figures for the two years are as follows:

	Deaths.		Percentage of deaths in cities and towns apart from rest of counties.		Deaths per 1,000 of deaths.		Deaths per 1,000 of population.	
	1901.	1902.	1901.	1902.	1901.	1902.	1901.	1902.
Cities.	312	233	40.4	34.3	38.6	30.6	.65	.48
Towns.	59	30	5.0	4.4	16.5	13.	.27	.20
Counties.	421	413	54.5	61.0	21.9	22.9	.26	.26

Deaths from Influenza. The decrease in the number of deaths from this disease is most marked, the 152 being only a little more than one-fourth of those in 1901. A comparison made for a series of years makes it evident that influenza shows the peculiarities of an infectious disease and would seem to be especially associated with certain climatic conditions.

Deaths from Pyaemia and Septicaemia. The decline noticed in 1899 is continued this year, the deaths included in this group being 238, as compared with 572 in 1901. The erractic rise and fall would indicate something more than a greater precision in diagnosis in the years of increase in deaths and may perhaps be accounted for by extrinsic influences, which affect the resisting powers of the individual and at the same time increase the activity of the specific organisms. The distribution by months seems to be practically independent of seasonal conditions, no particular quarter showing any notable excess over others.

Deaths from Cancer. There were 1,048 deaths from this cause, being slightly lower than 1900, when there were 1,055.

Deaths from Tuberculosis. The deaths from this disease show a very material decrease over previous years, there having been 2,694 deaths, which is 1.22 per thousand of the population and 90.6 per thousand deaths. The ratio for the preceding five years is as follows per thousand deaths: 1897, 106.8; 1898, 127.8; 1899, 118.6; 1900, 118.1; 1901, 109.5. These figures are particularly gratifying from the fact that the decline is not confined to any particular district and is general in both urban and rural municipalities. The mortality in the Province compares most favorably with that of Great Britain, when for the year 1901 the deaths were at the rate of 181.1 per thousand of the population, or 118.7 per thousand deaths. As compared with other zymotic diseases, tuberculosis shows a remarable persistency of deaths in all the months of the year. Thus the monthly reports give the following deaths from consumption by months during the past year:

January	176 (1903).	July	139 (1902).
February	163 "	August	117 "
March	221 "	September	119 "
April	197 "	October	170 (1902)
May	232 "	November	147 "
June	173 "	December	148 "

But if the chronic character of the disease is illustrated by the figures there is to be found some satisfaction in knowing that the monthly rate already shown in the yearly decreased rate, is in spite of there having been in the first six months of 1903 1,022 more deaths than in 1902, marked

by a greater decrease in the deaths from consumption than in the previous years. This is seen in the following table:

	1903.	1902.	1901.
January	176	169	201
February	163	177	238
March	221	233	203
April	197	233	336
May	232	184	211
June	173	207	174
July	139	152	182
August	147	172	171
September	149	173	166
October	...	170	164
November	..	147	151
December	..	148	189
	1,597	2,164	2,286

Without forgetting that individual seasons affect notably diseases of the respiratory organs and that the four months, January, February, March and April of 1901, were very fatal to old persons, the fact remains that with returns increasing in exactness year by year the succeeding months have, with few exceptions, shown a decrease in the deaths from tuberculosis. If the average for the nine months of 1903 is applied to the balance of the year there would be 2,286, 2,614 and 1,996 deaths in the three succeeding years, which with an increasing population would seem to mark a notable decrease in deaths from this cause. To a greater diffusion of knowledge of its infectiousness amongst the people and to the growing practice on the part of physicians and Local Boards of Health to advise isolation of patients in the advanced stages and to disinfect premises where patients have resided must be ascribed at least a part of this decrease.

The Distribution of Tuberculosis by Counties. The following table gives the relative prevalence in the several counties of Ontario for the years 1901 and 1902:

Deaths from Tuberculosis in Ontario by Counties in 1901 and 1902.

	Rate per 1,000.			Rate per 1,000.	
	1901.	1902		1901.	1902.
Algoma	3.06	1.63	Haldimand	1.20	1.03
Brant	1.04	1.36	Halton	0.78	1.12
Bruce	1.11	1.03	Haliburton	1 70	0.45
Carleton	2.34	1.77	Hastings	1.14	1.19
Dufferin	0.80	0.66	Huron	0.94	1.03
Elgin	1.39	0.82	Kent	1.34	1.11
Essex	1.50	1.09	Lambton	1.80	1.09
Frontenac	1.76	1 63	Lanark	1.16	1.45
Grey	0.90	0.91	Leeds and Grenville	1.89	1.42
Lennox and Addington	1.70	1.67	Prescott and Russell	1.59	1 41
Lincoln	1.50	1.24	Prince Edward	1.65	1.40
Middlesex	1.20	1.31	Rainy River	3.33	0.67
Muskoka	2.00	1.80	Renfrew	1.00	0.95
Nipissing	3.25	0.97	Simcoe	1 10	1.33
Norfolk	1.10	1.13	Stormont, Dundas & Glengarry	1.46	1.36
Northumberland and Durham	1.01	1.46	Thunder Bay	2.54	0.87
Ontario	1.17	1.28	Victoria	1.00	0.87
Oxford	0.94	0.74	Waterloo	1.10	0.83
Peel	1 33	1.16	Welland	1.21	0.60
Perth	1.03	1.00	Wellington	1.06	1.13
Parry Sound	0.32	0.64	Wentworth	1.40	1.53
Peterborough	1.00	1.22	York	1.71	1.48

Omitting reference to the great differences seen in Algoma, Rat Portage, Nipissing as new districts where the floating population engaged in

public works prevents normal increases or decreases in population, it will appear that in most counties there is an evident reduction in the deaths from tuberculosis. That this is not merely accidental would seem evident from the figures already quoted. The interesting fact must be noted, not only of the high continued standard of freedom in the upland, inland counties where the soil is generally of the Saugeen sands and gravels with Erie clays in some places and at other limestones beneath, supplying good local drainage, but also in addition to this, as has been before noted, their distance from the Great Lakes which remain open all winter makes these inland climates notably different as regards moisture from those along the lakes. That it is perhaps as much or more a question of local drainage than of proximity to the lakes would seem to be gathered from the very marked decrease in the several counties of the western and eastern peninsulas bordering on Lake Erie. The counties of Kent and Essex within the past thirty years by public drainage works and the cutting down of the forest have been in large measures reclaimed from marsh, while similar improvements have in recent years been carried on in Welland and Lincoln counties. Where there is no decrease in a county would seem to be in those as Wentworth and Middlesex where a large city is growing up in each. In both Carleton and York, however, with yet larger cities the rate has lessened. It becomes apparent, therefore, that while accidental circumstances, as patients from rural districts dying in city hospitals and charities will affect death rates to some extent there are yet other factors, as location, climate, drainage, class of population, length of periods of settlement in the age of a population which so affect mortality rates that it is quite impossible to dogmatize as to the supreme influence of any single fact as applied generally, although in any individual place it might be possible to adjudge such influences more exactly. Speaking generally there does seem to be a lessening on the whole of the prevalence of tuberculosis in Ontario; but it is apparent that if the cities multiply industries of certain types, wherein female labor is largely employed, more stringent sanitary regulations than at present exist will be demanded if deaths from this disease of house life are to continue to decrease.

Tuberculosis in Cities. The deaths per 1,000 from tuberculosis in the 14 cities of Ontario are seen in the following table:

Deaths from Tuberculosis in Cities.

City.	Population.	Rate per 1,000.	City.	Population.	Rate per 1,000.
Toronto	210,120	1.57	Guelph	11,610	1.71
Hamilton	53,160	1.64	St. Catharines	10,045	1 90
Ottawa	60,527	1.99	Belleville	9,208	1 63
London	38,360	1.77	Stratford	10,058	1.10
Kingston	18,140	2.05	Windsor	12,274	1.62
Brantford	16,785	2.26	Chatham	9,158	1.28
St. Thomas	11,599	0.84	Woodstock	8,921	1.11

While there are very marked variations in the death rates a due allowance must be made for deaths from outside places being registered at the several hospitals. It is further evident that with the smaller cities the population is too small not to be affected by some accidentl cause. Taking them as a whole the cities show a decided decrease over 1901, the rate being 1.45 as compared with 1.78 per 1,000. Individual cities have varied still more.

The order of prevalence is seen to have changed, the rate in Toronto having shown the most remarkable decrease, while Brantford has advanced to the first place. The other cities have maintained much the same relative positions. The following is the order of this prevalence:

1901.		1902.	
City.	Rate per 1,000.	City.	Rate per 1,000.
St. Catharines	2.8	Brantford	2.26
Kingston	2.79	Kingston	2.05
Toronto	2.35	Ottawa	1.99
Ottawa	2.32	St. Catharines	1.90
Brantford	2.10	London	1.77
Hamilton	1.80	Guelph	1.71
St. Thomas	1.65	Hamilton	1.64
Windsor	1.64	Belleville	1.63
Guelph	1.56	Windsor	1.62
London	1.59	Toronto	1.57
Stratford	1.40	Chatham	1.23
Chatham	1.32	Woodstock	1.11
Belleville	1.30	Stratford	1.10
Woodstock	1.02	St. Thomas	0.84

Tuberculosis in the Principal Towns. The following table gives these in the order of prevalence:

Deaths from Tuberculosis in Principal Towns.

Town.	Population.	Rate per 1,000.	Town.	Population.	Rate per 1,000.
Cornwall	6,771	2.21	Sarnia	8,257	0.99
Brockville	9,029	2.10	Berlin	9,844	0.92
Peterboro	11,351	1.41	Lindsay	7,073	0.84
Toronto Junction	6,151	1.30	Sault Ste. Marie	7,267	0.82
Owen Sound	8,863	1.01			

Here we have illustrated what has already been referred to regarding the high mortality rates along the St. Lawrence, while similarly the western inland towns has a notably less prevalence.

Completeness of Returns.

The following tabular statement illustrates the amount and character of the routine work in the Department of the Registrar General, both in making the returns as complete as possible in respect to the records in preparing the Annual Report.

Tabular Statement of Work in 1902. Receiving and entering Returns of Births, Marriages and Deaths for 777 Division Registrars, and issuing certificates for same biennially. 1,500 notices, 1,600 returns.

Births indexed	47,796
Marriages indexed	36,144
Deaths indexed	27,864
Total	111,804

Average per day indexed by each clerk, 200.

The above 111,804 names have also been compared after indexing is done.

In all 14,00 marriages were registered from old county register books of date previous to 1869.

The total marriage cards received from license issuers was 18,072.

These have to be searched for and compared with index books. About 1,000 of these are yearly found unregistered by clergymen, who are written to, and on an average 405 of these marriages are secured and registered by this system. This requires some 1,500 letters to be sent and as many received. Some 310,000 blank forms are sent out yearly to about 1,800 Division Registrars and license issuers.

Compiling Annual Report and preparing and studying a series of special tables, of 260 pages and mailing 6,400 copies to Senators, M.P.'s, physicians, clergymen, judges, school officials, foreign exchanges, and takes several months' work.

Comparing 90,000 births, marriages and deaths indexed previous to 1893, when yearly comparing was adopted, was added to the regular work of the staff.

Searches made for 1,153 applicants.

Certificates issued, Births	264
Certificates issued, Marriages	114
Certificates issued, Deaths	207
Total	585

Forty books, averaging 600 pages, being records of Births, Marriages and Deaths arranged in counties for binding.

Letters sent out and filed were 2,212.

Circulars sent out, 1,600.

Searching for returns Births, Marriages and Deaths for the whole Province for duplicate registrations, resulted in the finding of 485 duplicates.

Completeness of Birth Returns. Since the consolidation and amendment of the Act relating to Births, Marriages and Deaths was passed in 1896 the progress of the work as regards correctness of data required and the completeness of the details has been pronounced and continuous. The responsibility placed upon local or Division Registrars has been notably increased with provision for increased fees for making returns. The results, speaking generally, have been very satisfactory, but the provision whereby cities of over 10,000 may commute the fees paid has, as usually follows, resulted in some Division Registrars taking no special pains to obtain complete returns. The matter requires readjustment in such a manner as will have the work paid for by results. It is especially, and indeed almost wholly, in the matter of births that incomplete returns exist; and some Registrars have shown laudable enthusiasm in making their returns as complete as possible by sending each month a blank sheet to the physicians practising in the municipality to fill out the names, dates and addresses of children born during the previous month. Add to this the search of newspaper notices and baptismal registers and a Division Registrar is measurably certain that his returns are practically complete. With the amendment being made to the Assessment Act, which extends the existing provision in townships to cities and towns whereby the assessor has a column in which to make any births occurring during the year, another means for perfecting the urban returns will exist. Penalty for neglect is perhaps occasionally useful, but facilitating measures to make the work automatic and routine has proved most satisfactory. The returns, as made to the Registrar-General, are practically complete, there having been but

five Division Registrars who duplicated the first half year's returns in the second half. This oversight is, of course, corrected in the tabulation of returns in the Annual Report.

Completeness of Marriage Returns. These returns, as may be judged from the high marriage rate per 1,000, may be said to be absolutely complete. The provisions whereby license issures are required to make returns of all licenses to the Registrar-General at the time they are issued, has completely eliminated the danger of marriages celebrated being omitted from the register. Owing to the provisions of the Marriage Act it is not in practice a requirement for one or other of the contracting parties to be resident in the municipality where the marriage takes place. Hence it happens that a license is sometimes granted in one municipality and the ceremony is performed in another. By comparison of license and marriage returns any omissions in the latter may be traced by the return stating the name of the clergyman officiating. A circular letter sent out in every case where registration of the marriage has been neglected has resulted in finding 350 non-registered marriages in 1902 as compared with 441 in 1901. Duplications of registration have been found in seven municipalities, amounting in all to 54. This error has also been eliminated from the indexes before tabulation.

Completeness of Death Returns. These, with possible burials without permits in the frontier districts, where a death by drowning or other accident occurs many miles from settlement, are practically complete, although there may be occasional omissions to where a body dying in one municipality has been buried in another. An estimate of what the error is will be shortly obtainable through the comparison of the returns to the Registrar-General with those enumerated by the Census Commissioners. It is too much to hope that omissions will not be found, but it is hoped that they will not be found numerous. The chief errors discovered in the returns to the Registrar-General are of duplications, due to the provision whereby a burial permit in several districts may, for convenience, be granted by a Division Registrar in a municipality adjoining that where the death takes place. This took place in 41 municipalities and resulted in a total of 279 duplications. The error has been eliminated from the indexes and tabulations by the Registrar-General, and where a division has, as in six instances, duplicated the returns of the first half yearly returns in the second, the error has been corrected in the indexes and notification of the mistake been sent to the Division Registrar. It is regrettable that in the tabulation of causes of death defective returns continue to be made. It may be possible to correct such during the coming year, but when it is remembered that in England after 64 years, there were in 1901 1.81 uncertified causes or 9,986 in all, and that 5, 762 answers to letters of enquiry re defective causes of death were received, it will be apparent that in Ontario this class of error will be one gradually eliminated. In too many cases there is reason to believe that secondary causes of death are put down instead of the primary or true cause and that in other instances the mode of death is given instead of the true cause. The terms "heart failure" and "atrophy" are sufficiently illustrative of what is meant.

Undoubtedly in practice the proper class to which a death in some cases is to be asigned is difficult of answer. It is, however, receiving much attention by statisticians, and since the adoption by the Census Bureaus of Washington and Ottawa of the Bertillon Classification of Diseases, the co-operative work being carried on by these departments co-operating with

the Committees of the American Public Health Association, of the Conference of State and Provincial Boards of Health of North America, of American Medical Association and of Public Health and Marine Hospital Service of the United States, while a Manual has been published by the Bureau of the Census at Washington and distributed to Registrars.

In an appendix a scheme has been elaborated by which a numerical weight or rating according to its importance is assigned to each title of a classification and each term under a title. Of course when phyiscians report primary and secondary causes determination is easy; but when each might have been the primary cause the determination on the part of the compiler is a matter of choice. The dissemination of the views of statisticians amongst physicians will gradually solve many of these points of detail in returns and in classification and must result in obtaining such accuracy of returns that a comparative study of diseases in the various States of the same country and in different countries will be possible and that most important results will be derived bearing upon the questions of supreme importance as regards causation of disease.

Respectfully submitted,

P. H. BRYCE,

Deputy Registrar-General.

TABLE 1.

Table showing the total number of Births, Marriages and Deaths in each County in 1902.

Counties	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the population.		
		Number in 1902.	Variation from 1901. Increase.	Variation from 1901. Decrease.	Number in 1902.	Variation from 1901. Increase	Variation from 1901. Decrease.	Number in 1902.	Variation from 1901. Increase.	Variation from 1901. Decrease.	Number in 1902.	Variations from 1901. Increase	Variations from 1901. Decrease.	Births	Marriages.	Deaths.
Algoma	45,844	1,391	413		357		13	631	170		2,379	570		30 3	7 8	13.8
Brant	38,521	752	7		241		51	464		25	1,457		69	19.5	6.2	12.0
Bruce	59,610	1,271	54		422	41		621		45	2,314	50		21.3	7.1	10 4
Carleton	97,873	2,408		53	799	19		1,609		217	4,815		251	24.6	8.2	16.4
Dufferin	21,246	429		5	189	20		192		46	810		31	20.2	8.9	9.0
Elgin	44,021	780	77		307		52	469		66	1,556		41	17.7	7.0	10.6
Essex	59,101	1,522	51		1,577	162		774		1	3,873	212		25.8	26.7	13.1
Frontenac	44,979	900	38		274		48	613		97	1,787		107	20.0	6.1	13.6
Grey	70,285	1,447		92	507		65	775		86	2,729		243	20 6	7.2	11.0
Haldimand	21,445	399	23		139		35	243		18	781		30	18.5	6.5	11.3
Halton	19,740	364	20		120		2	238		48	722		30	18.4	6.1	12.1
Haliburton	6,624	195		7	43		6	67		6	305		19	29.4	6.5	10.1
Hastings	59,883	1,161	70		530	30		691	15		2,382	115		19.4	8.9	11.5
Huron	62,438	1,149	16		410		47	623		109	2,182		140	18.4	6.6	10.0
Kent	57,996	1,216	33		5 3		5	694		74	2,423		46	21.0	8.9	12.0
Lambton	57,208	1,136		31	485	53		693		58	2,314		36	19.9	8.5	12.1

Lambton	57,208	1 136		31	485	53		693		58	2,314		36	19 9	8.5	12.1
Lanark	37,604	744	39		240		53	439		53	1,423		67	19.8	6.4	11.7
Leeds and Grenville	59,585	1,059	65		454		6	796		60	2,309		1	17.8	7.6	13.4
Lennox and Addington	23,579	405		60	173		54	278		26	856		140	17 2	7.3	11.8
Lincoln	30,857	552		63	223	48		390		43	1,165		58	17.9	7.2	12.6
Middlesex	93,629	1,625		14	704	45		1,258	4		3,587	35		17.3	7.5	13.4
Muskoka	21,180	590		21	143		16	238		7	971		44	27.8	6.7	11.2
Nipissing	27,007	1,077	9		269		2	437		17	1,783		10	39.9	9.9	16.2
Norfolk	29,138	593	30		246	42		393			1,232	72		20.1	8.3	13.3
Northumberland and Durham	62,669	1,144	109		399		60	872	20		2,415	69		18.2	6.3	13.9
Ontario	40,812	878	82		261	12		524		12	1,663	82		21.5	6.4	12.8
Oxford	48,888	1,038	5		343		9	601		68	1,982		72	21.2	7.0	12.3
Parry Sound	25,185	738	37		181		4	286	31		1,205	64		29.3	7.2	11.3
Peel	21,689	371		10	129	5		235		48	735		53	17.1	5.9	10.8
Perth	50,369	997	25		355		28	554		54	1,906		57	19.8	7.0	11.0
Peterboro	36,426	789	66		312	51		518	58		1,619	178		21.6	8.5	14.2
Prescott and Russell	47,790	1,714		78	328		41	662		195	2,701		317	35.9	6.9	13.8
Prince Edward	18,042	295	48		123	3		248		29	666	22		16.3	6.8	13.7
Rainy River	16,605	291		11	88		31	142		10	521		52	17.5	5.3	8.5
Renfrew	53,239	1,369		118	329		17	591		52	2,292		187	25.7	6.2	11.1
Simcoe	83,138	1,765	106		545		93	943	16		3,253	29		21.2	6.6	11.3
Stormont, Dundas and Glengarry	69,619	1,410		46	426		33	795		85	2,631		164	20.3	6.1	11.4
Thunder Bay	12,671	323	71		113	23		213	72		649	166		25.5	8.9	16.8
Victoria	32,271	724	46		256	15		383		10	1,363	51		22.4	7.9	11.9
Waterloo	53,119	1,138	91		432	19		531		88	2,101	22		21.4	8.1	10 0
Welland	31,903	631	5		323		34	402		30	1,356		59	19.8	10.1	12.6
Wellington	56,202	1,074	52		403	40		618		59	2,095	33		19.1	7.2	11.0
Wentworth	80,246	1,495	61		658	13		1,103		64	3,256	10		18.6	8.2	13.7
York	275,389	6,147	595		2,703	201		4,015		221	13,165	572		23.4	9.8	14.5
Totals	2,205,965	47,796	2,314	609	18,072	845	808	27,864	386	2,130	93,732	2,352	2,324	21.7	8.2	12 6

TABLE 2.

Table showing the total number of Births, Marriages and Deaths in each City in 1902.

Cities	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the Population.		
		Number in 1902.	Variation from 1901.		Number in 1902.	Variation from 1901.		Number in 1902.	Variation from 1901		Number in 1902.	Variation from 1901		Births.	Marriages.	Deaths.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.			
Toronto	210,120	5,014	599		2,258	110		3,234		188	10,536	521		24·0	10·7	15.4
Hamilton	53,160	959		23	505		7	775		37	2,239		67	18·0	9·5	14.6
Ottawa	60,527	1,594		55	571	4		1,188		172	3,353		223	26·3	9·4	19.6
London	38,360	709	2		377	35		582		20	1,668	17		18.5	9·8	15.2
Kingston	18,140	353	32		163		21	301		77	817		66	19.5	8.9	16.6
Brantford	16,785	416		6	156		29	261	3		833		32	24.8	9·3	15.5
St. Thomas	11,599	214	17		129		19	147		20	490		22	18.4	11.1	12.7
Guelph	11,610	255	29		112	18		142		14	509	33		22.0	9.6	12.2
St. Catharines	10,045	190		18	94	11		165		3	449		10	18.9	9.3	16.4
Belleville	9,208	110		46	116	22		141		11	367		35	11.9	12.6	15.3
Stratford	10,038	185	12		100	35		128		11	413	36		18.4	9.9	12.7
Windsor	12,274	258			1,060	227		201	13		1,519	240		21.0	86.4	16.4
Chatham	9,158	164	32		151	14		173	29		488	75		17.9	16.5	18.9
Woodstock	8,921	190	19		87	11		133		18	410	12		21.3	9.8	14.9
Totals	479,965	10,641	742	148	5,879	487	76	7,571	45	571	24,091	934	455	22.2	12.2	15.8

TABLE 3.

Table Showing the Number of Births, Marriages and Deaths in each Town in 1902.

Towns.	Population.	Births.			Marriages.			Deaths.			Totals.			Ratio to 1,000 of the Population.		
		Number in 1902.	Variation from 1901. Increase.	Variation from 1901. Decrease.	Number in 1902.	Variation from 1901. Increase.	Variation from 1901. Decrease.	Number in 1902.	Variation from 1901. Increase.	Variation from 1901. Decrease.	Number in 1902.	Variation from 1901. Increase.	Variation from 1901. Decrease	Births.	Marriages.	Deaths.
Barrie	6,008	116	24	.....	54	.....	11	86	2	.....	256	15	.....	19.3	8.9	14.3
Brockville	9,029	194	.....	5	100	28	.....	177	9	.....	471	32	.....	21.5	11.1	19.6
Berlin	9,814	210	25	.....	107	8	.....	106	.....	10	423	23	.....	21.3	10.8	10.7
Bracebridge	2,503	93	15	.....	46	5	.....	27	.....	.....	166	20	.....	37.1	18.4	11.2
Brampton	2,775	42	.....	.....	29	2	.....	45	.....	11	116	.....	12	15.1	10.5	16.2
Cornwall	6,771	158	.....	.....	54	.....	2	116	.....	7	328	.....	9	23.3	7.9	17.1
Cobourg	4,281	96	43	.....	32	.....	15	86	36	.....	214	64	.....	22.4	7.5	20.1
Cayuga	778	14	.....	4	9	2	.....	5	.....	8	28	.....	10	18.0	11.6	6.4
Goderich	4,199	58	8	.....	49	19	.....	49	.....	10	156	17	.....	13.8	11.7	11.7
Lindsay	7,073	154	31	.....	93	.....	.....	85	.....	2	332	32	.....	21.8	13.1	12.0
L'Orignal	1,036	55	23	.....	16	.....	.....	14	.....	4	85	19	.....	53.1	15.4	13.4
Milton	1,385	29	4	.....	15	9	.....	15	.....	4	59	9	.....	20.9	10.9	10.9
Napanee	3,174	52	4	.....	63	.....	3	45	.....	1	160	.....	.....	16.4	19.9	14.1
Niagara Falls	4,285	92	.....	7	102	8	.....	59	.....	.....	253	1	.....	21.5	23.8	13.8
North Bay	2,565	131	17	.....	38	1	.....	64	6	.....	233	24	.....	51.2	15.2	25.0
Orangeville	2,536	37	1	.....	37	.....	2	25	.....	3	99	.....	4	14.5	14.5	9.9
Owen Sound	8,863	278	.....	21	127	.....	41	184	.....	52	589	.....	114	31.4	14.3	20.8
Parry Sound	2,912	91	.....	6	38	1	.....	43	3	.....	172	.....	2	31.2	13.0	14.8
Peterboro	11,351	232	17	.....	143	30	.....	182	22	.....	557	69	.....	20.4	12.6	16.0
Pembroke	5,207	130	.....	2	52	6	.....	77	.....	18	259	.....	14	24.9	9.9	14.8
Perth	3,623	76	.....	20	27	.....	16	53	.....	26	156	.....	62	20.9	7.5	14.6
Picton	3,734	57	12	.....	46	4	.....	64	.....	17	167	.....	1	15.3	12.3	17.1
Port Arthur	3,246	104	16	.....	57	16	.....	75	7	.....	236	39	.....	32.0	17.6	23.1
Rat Portage	5,254	98	.....	40	50	.....	13	65	.....	11	213	.....	64	18.7	9.5	12.4
Sarnia	8,257	173	8	.....	176	50	.....	115	.....	4	464	51	.....	20.9	21.3	13.9
Sault Ste. Marie	7,267	372	212	.....	125	3	.....	191	84	.....	688	299	.....	51.2	17.2	26.3
Simcoe	2,653	59	1	.....	41	5	.....	41	.....	9	141	.....	3	22.2	15.5	15.5
Toronto Junction	6,151	203	66	.....	53	14	.....	102	12	.....	358	92	.....	33.0	8.6	16.6
Walkerton	2,999	51	.....	.....	39	16	.....	37	.....	24	127	.....	8	17.0	13.0	12.3
Welland	1,881	81	6	.....	17	.....	7	37	.....	7	85	.....	8	16.5	9.0	19.9
Whitby	2,131	39	11	.....	13	2	.....	30	.....	8	82	8	.....	18.3	6.1	14.0
Totals	143,762	3,525	550	105	1,848	229	110	2,300	181	239	7,673	817	311	24.5	12.8	15.9

TABLE 4.

Illegitimate Births, Twins and Triplets in the Province.

Illegitimate Births.		Ratio to 1,000 births.	Number of pairs of twins.	Number of cases of triplets.
No.	Proportion to whole number of births.			
819	One to every 58.1 births	17.2	523	4

TABLE 5.

Births in the Province in 1902, showing the Proportion of Male to Female Births.

Sex.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males	2,063	2,024	2,178	2,049	2,108	2,019	2,218	2,241	2,077	2,033	1,885	1,969	24,864
Females	1,914	1,803	2,101	1,899	1,920	1,896	2,051	2,090	1,920	1,900	1,687	1,751	22,932
Total	3,977	3,827	4,279	3,948	4,028	3,915	4,269	4,331	3,997	3,933	3,572	3,720	47,796
Male births to 100 female births	107.8	112.2	103.7	107.9	109.8	106.5	108.1	107.2	108.2	107.0	111.7	112.4	108.4

TABLE 6.

Order of Births by Months in the Province.

Months.	Males.	Months.	Females.	Months.	Total Males and Females.
Placed according to number of births in each month.					
August	2,241	March	2,101	August	4,331
July	2,218	August	2,090	March	4,279
March	2,178	July	2,051	July	4,269
May	2,108	May	1,920	May	4,028
September	2,077	September	1,920	September	3,997
January	2,063	January	1,914	January	3,977
April	2,049	October	1,900	April	3,948
October	2,033	April	1,899	October	3,933
February	2,024	June	1,896	June	3,915
June	2,019	February	1,803	February	3,827
December	1,969	December	1,751	December	3,720
November	1,885	November	1,687	November	3,572
Total	24,864	Total	22,932	Total	47,796

TABLE 7.

Marriages by Months in the Province.

Months.	1901	Months.	1902	Quarters.	1901	Quarters.	1905
June	2,178	June	2,204	Quarter ending Dec. 31	5,169	Quarter ending Dec. 31	5,177
September	1,954	December	1,911	Quarter ending June 30	4,667	Quarter ending June 30	4,717
October	1,930	September	1,849	Quarter ending Sept. 30	4,493	Quarter ending Sept. 30	4,228
December	1,769	October	1,816	Quarter ending Mar. 31	3,680	Quarter ending Mar. 31	3,934
November	1,470	January	1,558	No date given	26	No date given	16
January	1,439	April	1,532				
April	1,401	November	1,450				
July	1,371	March	1,256				
August	1,168	July	1,199				
March	1,124	August	1,180				
February	1,117	February	1,120				
May	1,088	May	981				
No date given	26	No date given	16				
Total	18,035	Total	18,072	Total	18,035	Total	18,072

TABLE 8.

Marriages by Denomination in the Province.

Denominations.	Number of persons married.	Per cent. of whole.	Proportion to the whole number of persons married.
Methodist	12,086	33.4	As 1 to 3.0 persons married.
Presbyterian	7,348	20.3	" 4.9 "
Church of England	5,821	16.1	" 6.2 "
Roman Catholic	5,515	15.3	" 6.5 "
Baptists	2,261	6.3	" 16.0 "
Lutherans	922	2.5	" 39.2 "
Congregationalists	359	1.0	" 100.7 "
Mennonites	195	.5	" 185.3 "
Evangelical Association	217	.6	" 166.6 "
Quakers	25	.1	" 1,445.8 "
Other Denominations	999	2.8	" 36.2 "
No denomination given	396	1.1	" 91.3 "
Total	36,144	100.00	

TABLE 9.

Showing the Death rate per 1,000 of Population in each County of the Province for ten years.

Counties.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	Average rate per County for ten years.
Algoma					15.9	14.0	16.0	23.7	10.4	13.8	.....
Brant	11.3	10.4	12 1	12.3	12.2	11.2	12.9	10.9	12.8	12.0	11.8
Bruce	8.3	8.7	7.9	9.7	9.7	8.6	10.1	10.0	11.3	10.4	9.5
Carleton	15.5	16.9	17.7	17.9	20.3	19.8	19.9	20.5	18.8	16.4	18.4
Dufferin	8.9	7.3	7.9	8.0	8.4	9.6	10.2	10.5	11.3	9.0	9.1
Elgin	9.9	8.5	10.2	10.1	11.0	10.2	10.4	10.3	12.2	10.6	10.3
Essex	11.9	11.6	12.0	12.6	12.9	12.3	13.2	12.3	13.3	13.1	12.5
Frontenac	12.4	11.1	11.2	13.3	13.8	13.9	12.8	13.6	16.0	13.6	13.2
Grey	7.7	7.8	8.1	9.7	9.5	9.8	9.7	9.9	12.3	11.0	9.5
Haldimand	6.6	9.5	8.4	7.7	10.5	9.8	10.2	9.8	12.3	11.3	9.6
Halton	9.0	8.7	8.9	9.2	9.2	9.4	10.7	11.3	14.6	12.1	10.3
Haliburton	8.6	8.2	10.7	12.4	11.2	9.5	10.3	9.0	11.1	10.1	10.1
Hastings	9.0	7.9	9.2	11.2	11.4	10.8	11.1	11.6	11.4	11.5	10.5
Huron	9.1	7 4	7.7	8.3	10.5	9.2	10.5	9.9	11.8	10.0	9.4
Kent	8.7	9.3	9.2	9.8	11.7	11.6	12.1	11.6	13.4	12.0	10.9
Lambton	9.1	8.0	7.6	8.6	10.8	9.7	12.3	11.7	13.3	12.1	10.3
Lanark	7.6	8.9	6.9	10.2	11.8	11.4	11.3	11.6	13.2	11.7	10.5
Leeds and Grenville	8.2	6.5	7.3	10.9	12.5	12.6	12.6	12.1	14.4	13.4	11.0
Lennox and Addington	7.0	10.2	6.8	9.4	12.6	11.3	11.9	10.6	13.0	11.8	10.5
Lincoln	11.4	13.0	13.1	12.2	14.4	12.5	13.4	14.0	14.1	12.6	13.1
Middlesex	10.1	10.0	9.6	8.7	10.7	10.0	10.9	10.4	13.5	13.4	10.7
Muskoka					11.4	11.0	13.0	14.7	11.7	11.2	.....
Norfolk	8.2	8.1	9.2	9.4	12.1	10.4	11.8	11.9	13.4	13.3	10.8
Northumberland and Durham	9.7	10.5	9.9	10.1	11.6	11.6	12.2	11.9	13.7	13.9	11.5
Nipissing					23.5	20.5	26.6	33.7	17.0	16.2	.....
Ontario	10.3	10.0	9.8	10.2	10.6	10.3	10.3	11.7	13.3	12.8	10.9
Oxford	10.9	10.9	10.3	11.3	11.8	11.5	12.8	12.9	13.8	12.3	11.8
Peel	7.9	7.8	7.1	9.4	9.1	9.2	10.8	9.6	13.2	10.8	9.5
Perth	8.1	8.9	9.0	8.8	9.5	10.8	9.5	10.4	12.2	11.0	9.8
Peterboro	10.8	12.6	10.4	11.2	12.0	12.7	13.3	12.4	12.8	14.2	12.2
Prescott and Russell	11.7	14.9	11.7	13.1	16.9	13.6	15.3	16.1	18.0	13.8	14.5
Prince Edward	11.6	12.8	9.7	13.8	12.4	11.0	12.1	12.0	15.5	13.7	12.5
Parry Sound					14.7	13.6	16.3	19.2	10.2	11.3	.....
Rainy River					33.1	26.1	33.8	45.6	9.3	8.5	.....
Renfrew	9.6	10.0	9.9	12.2	13.0	9.9	10.3	11.3	12.2	11.1	11.0
Simcoe	8.2	9.3	7.4	10.7	11.7	11.3	12.1	13.0	11.2	11.3	10.6
Stormont, Dundas and Glengarry	8.8	7.3	7.8	9.0	12.7	11.3	11.9	10.9	12.8	11.4	10.4
Thunder Bay					20.4	16.4	21.7	30.2	11.5	16.8	.....
Victoria	10.0	9.7	9.0	9.8	10.8	10.8	10.4	11.7	12.3	11.9	10.6
Waterloo	9.9	9.9	10.1	10.1	10.9	10.2	11.2	12.0	11.8	10.0	10.6
Welland	11.1	9.5	11.0	12.1	14.4	12.9	13.1	11.8	13.7	12.6	12.2
Wellington	9.8	10.3	9.5	9.5	9.9	9.3	10.9	10 6	12.2	11.0	10 3
Wentworth	13.1	12.5	12.7	13.2	12.1	13.0	12.8	13.0	14.7	13.7	13.1
York	16.1	13.1	13.2	12.4	12.9	11.8	13.5	14.5	15.6	14.5	13.8
Average rate	9.9	9.9	9.7	10.7	12.9	11.9	13.2	14.0	13.1	12.6	11.2

TABLE 10.

Recapitulation of Classes of Diseases by Counties in 1902– (Including Cities and Towns.)

Causes of Death.	Sex.			Nativity.			Social condition.			Ages																		Months.												Totals.
										Under 5.																														
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0-1	1	2.	3	4	5 9.	10-14.	15 19.	20-24.	25-29.	30 34	35-39	40-44.	45-49.	50-59.	60 69.	70-79.	80 and over.	Not given.	January.	February	March.	April.	May.	June.	July.	August.	September.	October	November	December.	
I. Communicable (Epidemic diseases....	991	952	11	1745	176	23	1630	279	35	289	192	163	147	139	340	138	82	72	61	52	42	35	28	34	53	38	25	11	196	192	225	149	140	124	93	96	156	182	160	231	1941
II. Other general diseases.....	2063	2340	4	3276	1049	82	1670	2476	261	111	48	31	16	11	81	105	276	440	389	347	310	305	278	536	568	363	115	14	373	372	437	408	381	384	341	321	332	327	348	383	4107
III. Diseases of nervous system and organs of sense...	1736	1516	2	2239	958	57	1528	1545	181	665	151	90	57	37	97	51	67	55	15	61	62	91	107	280	486	564	259	29	308	256	325	314	298	245	255	255	247	231	249	271	3254
IV. Disease of circulatory system .	1077	1144	.	1359	801	61	538	1526	157	11	10	7	2	5	39	38	59	88	63	102	129	123	157	368	599	293	104	24	197	156	200	175	211	171	169	188	173	185	185	211	2221
V. Diseases of the respiratory system... .	1663	1449	1	2183	874	56	1570	1109	134	641	199	95	58	35	80	61	76	80	74	89	93	110	111	224	376	424	257	30	360	386	368	357	311	223	117	108	119	154	238	342	3113
VI. Diseases of the digestive system .. .	1212	1154	.	1840	493	33	1458	827	81	694	138	47	30	32	78	67	75	105	78	91	61	79	79	162	225	223	86	13	153	131	136	151	165	168	201	411	345	212	127	166	2366
VII. Diseases of the genito-urinary system	595	399	1	580	394	21	241	693	61	17	9	1	4	1	25	25	16	26	35	37	58	47	56	117	193	214	200	5	86	73	103	101	81	87	86	72	68	79	76	83	995
VIII. Puerperal diseases		216		206	34	1	10	233	3	.	..		.	...		.	14	47	48	61	18	21	2	1	..	.		4	13	25	34	31	26	19	19	15	28	16	7	13	246
IX. Diseases of the skin and cellular tissue	75	71	.	99	49	1	58	82	9	27	3	1		.	1	1	2	4	7	7	8	7	12	18	25	16	9	1	13	17	19	16	13	10	10	8	9	7	9	18	149
X. Diseases of the locomotor system .	17	23	.	36	4	...	22	17	1	..	1	1	1	1	2	9	3	3	1	1	1	4	2	3	6	1			3	1	1	5	6	..	1	5	5	8	2	..	40
XI. Malformations, diseases of infancy, diseases of old age	3812	3017	59	4522	2264	102	883	2794	261	3485	29	3	..	..	..	..	..	..	..	..	..	..	1	5	125	1271	1938	31	591	531	657	562	601	551	565	513	559	523	510	662	6888
XII. Suicide . .	80	35		67	44	4	38	69	8	....	.				.	1	7	7	6	5	9	14	13	21	19	8	2	3	8	8	13	7	10	5	10	15	12	18	6	3	115
XIII. Accidents... ...	860	253	2	751	298	66	568	412	105	38	32	30	26	16	55	48	71	119	86	73	68	62	58	94	81	75	46	37	56	61	75	88	99	96	138	100	103	105	82	122	1115
XIV. Ill-defined causes .	188	520	3	666	303	42	365	563	83	25	32	19	16	9	28	29	43	32	41	40	53	55	70	122	100	146	59	32	92	80	101	89	88	84	85	88	81	84	59	80	1011
Total.	14.669	13.122	73	19.569	7.741	554	13.529	12.955	1.380	6.003	844	494	357	289	826	571	791	1.078	937	966	975	953	974	1.985	2.916	3.636	3.005	264	2.449	2.289	2.694	2.483	2.423	2.167	2.123	2.195	2.237	2.131	2.088	2.585	27.864

TABLE NO. 11.

Recapitulation by Classes of Diseases by Cities, 1902.

Causes of Death.	Sex.			Nativity.			Social condition.			Ages.																		Months.												Total.
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.					5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60–69	70–79	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
										0.1	1.	2.	3.	4.																										
I. Communicable (Epidemic) diseases	300	248		481	61	6	483	55	10	50	55	68	55	45	121	29	25	9	20	11	7	5	4	8	12	5	5	5	68	51	57	51	28	41	27	21	41	54	44	62	518
II. Other general diseases	620	669		861	101	27	509	680	100	55	22	10	7	1	18	23	73	136	104	102	103	90	89	167	155	86	32	13	104	122	130	117	112	108	117	91	107	98	89	91	1289
III. Diseases of the nervous system	530	446		625	334	17	454	452	70	230	36	31	22	11	26	10	18	12	13	13	21	24	37	95	160	146	60	11	95	86	101	95	92	70	60	93	64	66	71	83	976
IV. Diseases of the circulatory system	272	335		310	279	18	139	418	50	3	1	2	1	2	12	15	13	22	12	33	40	45	15	105	137	85	27	9	58	47	48	46	66	46	40	46	42	61	50	57	607
V. Diseases of the respiratory system	162	366	1	550	267	12	431	352	45	176	18	32	22	13	21	16	17	23	15	25	25	26	28	72	111	100	52	7	97	97	96	86	94	67	35	26	33	33	69	96	829
VI. Diseases of the digestive system	348	348		530	166	10	458	212	36	260	35	9	4	5	18	21	22	32	21	21	18	28	30	48	55	47	21	6	39	40	37	47	38	53	65	144	108	53	41	41	706
VII. Diseases of the genito urinary system	186	139		165	149	11	92	203	30	7	5	2	1	2	9	8	3	10	7	11	25	21	23	13	66	51	30	1	31	27	35	33	25	28	21	30	14	25	29	21	325
VIII. Puerperal diseases		52		39	12	1	1	48	3								2	11	12	13	12	2							3	5	5	6	5	3	3	5	8	5	3	1	52
IX. Diseases of the skin and cellular tissue	27	19		25	20	1	18	24	4	8	1	1						1	1	2	2	3	7	6	5	5	3	1	5	6	6	4	4	3	5	4	2	2	2	3	46
X. Diseases of the locomotor system	8	8		14	2		9	6	1					1			3	1	2		1		1	2	1	2			2	1		2		2	2	3	2	2		16
XI. Malformation, diseases of infancy, diseases of old age	916	790	16	1305	406	11	1228	428	66	1180	4	2												2	25	208	297	4	162	111	142	165	162	150	149	134	150	118	135	141	1722
XII. Suicide	17	12		12	16	1	7	21	1								3	2	1	1	1	5	6	5	3	2			1	1	3	1	2		4	5	3	6	2	1	29
XIII. Accidents	170	53		140	72	11	100	104	19	3	3	3	4	2	11	13	9	23	19	18	11	14	16	27	27	12	9	6	13	15	19	20	21	24	24	12	16	24	18	14	223
XIV. Ill-defined causes	97	106		95	99	9	52	130	21		6	2	2	1	5	1	2	10	4	6	15	18	16	34	31	36	8	3	15	22	16	11	20	13	21	22	18	16	9	17	203
Totals	3.953	3.606	17	5.152	2.284	135	3.981	3.133	457	1.978	216	162	118	86	241	141	188	293	229	263	283	280	303	613	784	783	544	66	693	631	695	690	672	606	576	638	609	563	564	634	7.571

TABLE No. 12.

Recapitulation by Classes of Diseases by Towns, 1902.

Causes of Death.	Sex.			Nativity.			Social condition			Ages.																				Months.												Total.
	Male.	Female.	Not stated.	Canadian.	Foreign.	Not stated.	Single.	Married.	Not stated	Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	
										0.1.	1.	2	3.	4																											
I. Communicable (Epidemic) Diseases	71	59	..	106	21	3	98	22	10	12	11	11	5	10	25	12	5	6	8	5	7	5	1	2	3	1	..	1	12	13	9	11	7	4	7	6	11	12	27	11	130
II. Other General Diseases	71	93	..	123	32	9	55	87	24	3	2	.	.	.	1	6	10	15	17	10	15	16	10	24	22	12	..	1	13	9	16	17	9	19	17	9	13	14	13	15	164
III. Diseases of Nervous System and Organs of Sense	95	64	1	114	38	8	77	59	24	41	8	4	3	3	4	..		3	1	7	5	6	7	13	15	22	13	2	19	10	15	8	16	8	22	11	10	15	15	11	160
IV. Diseases of Circulatory System	43	55	.	61	34	3	24	57	17	.	.	.	.	.	3	2	6	5	8	6	5	5	9	18	21	7	2	1	10	5	9	11	10	5	7	6	12	9	5	9	98
V. Diseases of the Respiratory System	92	76	.	123	40	7	90	64	11	40	10	4	4	2	9	3	6	3	9	3	4	2	5	10	25	13	10	.	17	19	14	21	16	20	12	3	6	7	15	18	168
VI. Diseases of the Digestive System	75	79	.	123	27	.	110	34	10	47	15	7	2	4	7	6	5	9	9	6	5	4	4	7	5	6	6	.	11	4	6	8	6	11	13	43	29	8	2	1	154
VII. Diseases of the Genito-Urinary System	21	12	.	21	12	.	6	24	3	..	1	.	1	.	.	.	.	1	.	3	3	.	3	5	6	8	2	.	4	3	2	4	4	2	2	2	1	1	3	5	33
VIII. Puerperal Diseases	.	14	.	9	4	1	...	14	.	...	.	.	.	.	.	.	1	2	1	5	4	1	.	.	.	.	.	.	1	1	3	.	.	4	1	...	2	1	..	1	14
IX. Diseases of the Skin and Cellular Tissue	2	5	.	3	4	.	1	6	.	1	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	2	.	.	2	2	1	1	.	.	.	.	.	.	1	7
X. Diseases of the Locomotor System	3	1	..	4	..	..	3	1	..	..	.	.	1	..	1	1	.	.	..	.	.	.	.	1	..	.	.	.	1	..	.	.	.	.	1	1	..	1	..	.	4
XI. Malformations, Diseases of Infancy, Diseases of Old Age	150	116	1	180	81	6	160	76	31	152	2	.	.	.	.	.	.	.	.	.	.	.	.	.	6	15	61	1	28	19	24	20	24	12	25	23	27	18	22	27	267
XII. Suicide	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XIII. Accidents	78	10	..	42	34	12	37	23	28	3	..	.	.	2	..	3	2	3	15	12	6	6	8	2	10	5	1	1	9	7	4	7	9	4	7	8	12	10	8	4	8	88
XIV. Ill-Defined Causes	16	25	..	22	13	6	12	17	12	3	..	..	..	..	..	1	5	1	1	4	2	5	1	4	7	1	..	6	.	2	3	5	8	2	5	2	6	6	1	1	41
Totals	717	609	2	931	340	57	673	484	171	311	49	26	18	19	53	33	41	60	66	55	56	52	44	96	115	116	97	21	123	91	110	115	105	94	120	118	127	100	107	118	1328

TABLE

Total Deaths by Individual

	General Diseases	Algoma	Brant.	Bruce	Carleton.	Dufferin	Elgin	Essex	Frontenac	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent	Lambton.	Lanark	Leeds and Grenville	Lennox and Addington.	Lincoln.
Diseases of Digestion.	Typhoid fever	27	10	5	24	.	6	12	5	5	3	1	.	9	6	12	23	5	9	1	9
	Smallpox	.	.	.	2	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.
	Measles	5	4	6	.	.	4	8	3	5	5	.	.	11	1	3	5	6	.	1	1
	Scarlet fever	10	1	6	51	6	4	4	1	5	3	.	.	6	2	3	3	.	4	3	2
	Whooping cough	1	2	10	8	.	1	13	6	6	3	2	2	5	1	9	.	.	2	1	4
	Diphtheria and croup	14	8	2	58	3	4	33	9	18	3	2	6	14	12	8	6	1	16	6	5
	Influenza	8	2	3	3	.	7	5	.	7	.	2	1	4	4	4	3	4	4	4	1
	Other epidemic diseases	.	1	.	.	.	.	3	.	1	.	.	.	.	.	1	.	.	2	.	.
	Pyæmia and septicæmia	2	4	5	18	1	3	10	4	4	2	5	.	5	7	9	7	1	7	2	3
	Malarial fever	.	1	.	.	1	.	2	.	.	.	.	.	.	1	3	1	.	.	.	.	.
Other General Diseases.	Tuberculosis and scrofula	74	52	62	172	14	35	64	73	64	22	22	3	71	64	64	62	54	84	39	39
	Syphilis	.	.	.	2	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.
	Cancer	14	15	26	53	9	14	29	21	39	13	10	.	24	28	20	34	17	23	13	21
	Rheumatism and gout	.	3	3	5	1	5	3	2	6	.	1	.	4	.	4	5	3	4	1	4
	Diabetes	1	7	5	7	3	3	3	3	2	1	2	1	9	4	2	1	2	6	3	2
	Other general diseases	.	1	.	8	1	2	3	1	1	1	2	.	.	.	.	.	.	.	.	.
	Alcoholism, acute and chronic	.	1	1	1	.	.	.	.	.	2	.	.	1	.	1	.	.	.	.	2
Diseases of the Nervous System.	Encephalitis	3	2	2	9	.	2	2	3	5	1	1	.	7	5	6	2	6	2	2	.
	Simple meningitis	7	4	9	40	3	.	19	4	12	.	4	.	8	10	8	23	5	10	3	3
	Epidemic cerebro-spinal meningitis	.	2	3	5	.	2	1	1	2	1	1	.	.	1	4	2	2	4	.	.
	Congestion and hemorrhage of the brain	6	16	15	31	6	12	18	17	17	6	15	1	14	15	13	14	6	24	7	1
	Softening of the brain	.	3	4	5	1	3	4	3	3	.	1	.	1	1	3	2	.	4	1	8
	Paralysis without specified cause	4	10	15	31	8	30	8	33	20	10	12	1	22	18	22	14	17	21	5	6
	Insanity	.	.	.	1	.	2	3	2	1	.	1	.	.	.	.	3	1	11	.	2
	Epilepsy	2	1	1	2	.	1	1	3	3	.	.	.	1	1	1	1	2	7	1	3
	Convulsions (not puerperal)	26	4	10	65	2	12	5	10	18	5	1	4	16	9	22	12	3	14	5	7
	Other nervous diseases	.	2	3	5	.	5	1	2	3	.	1	.	1	5	3	5	1	7	4	2
Diseases of the Circulatory System.	Pericarditis	.	.	3	1	.	.	1	.	1	.	.	.	.	1	1	1	.	.	.	.
	Endocarditis	.	1	.	11	.	.	3	1	5	.	.	.	1	.	.	3	.	.	.	2
	Organic heart diseases	19	39	48	58	14	26	51	34	55	12	15	6	40	39	48	35	24	41	16	19
	Angina Pectoris	1	1	3	5	1	1	8	.	1	2	1	.	1	3	8	2	2	.	1	2
	Diseases of the arteries, atheroma, Aneurism, etc	.	2	2	5	.	1	1	.	1	.	.	.	.	1	5	4	1	1	.	.
	Other diseases of the circulatory system	3	5	5	13	1	3	1	4	12	.	3	.	6	15	4	7	1	9	3	3
Diseases of Respiration.	Acute bronchitis	6	4	10	20	2	1	15	2	15	5	2	1	8	2	10	6	5	7	1	2
	Chronic bronchitis	3	4	10	12	1	2	7	5	6	1	3	.	3	9	11	5	.	9	1	5
	Broncho pneumonia	7	4	2	28	3	3	10	4	8	6	3	.	2	3	4	12	1	3	1	8
	Pneumonia	39	37	44	78	20	42	80	47	57	21	18	5	58	45	41	53	35	67	20	26
	Pleurisy	1	.	11	8	1	1	.	4	2	.	.	.	3	7	2	3	4	3	1	5
	Congestion of the lungs (including pulmonary apoplexy)	.	4	13	4	2	1	2	5	5	1	2	3	5	3	2	2	2	8	.	1
	Asthma and emphysema	.	1	2	5	1	3	3	5	2	4	.	.	5	.	5	1	3	8	1	2
	Other diseases of the respiratory system	1	1	.	1	.	.	3	.	.	.	.	.	.	.	.	.	.	1	.	.
Diseases of Digestion.	Ulcer of the stomach	.	.	1	3	1	.	2	2	1	1	.	1	.	2	2	1	.	2	.	.
	Other diseases of the stomach (cancer excepted)	2	3	6	8	4	8	3	6	7	3	2	1	8	6	7	9	8	3	6	4
	Infantile diarrhœa and gastro-enteritis (cholera infantum)	56	17	7	66	6	28	13	13	15	2	4	2	9	6	30	7	10	24	3	11
	Diarrhœa and enteritis (not infantile)	4	1	5	9	1	5	7	11	4	.	.	.	9	2	6	4	3	13	4	6
	Dysentery	2	1	1	2	.	1	1	2	.	.	.	.	.	3	3	2	.	2	.	1
	Hernia and intestinal obstructions	1	3	6	13	2	2	5	2	7	.	1	1	5	5	5	8	3	4	2	5
	Other diseases of the intestines	1	2	.	5	2	1	4	.	1	.	1	.	3	.	2	2	.	.	.	.
	Diseases of the liver	9	5	12	12	2	7	4	5	5	1	2	.	7	8	4	10	6	6	5	2
	Peritonitis (not puerperal)	.	7	9	24	3	6	6	6	11	2	6	1	8	9	11	3	2	14	1	3
	Iliac abscess (typhlitis, perityphlitis, appendicitis)	2	5	4	10	.	3	5	4	9	2	3	1	4	5	5	5	5	9	2	4

No. 13.

Diseases by Counties in 1902.

Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northumberland and Durham.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth	Peterboro.	Prescott and Russell	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, Dundas and Glengarry.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington	Wentworth	York.	Totals
4	8	11	4	12	11	10	7	1	5	2	8	1	8	11	12	7	12	7	6	5	13	15	40	392
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	1	....	....	....	....	....
8	....	3	8	7	2	5	1	1	2	4	1	1	1	4	3	1	2	1	3	....	....	2	15	143
3	10	13	3	3	2	3	10	....	2	13	9	....	8	4	8	4	23	12	1	....	5	3	95	346
2	....	2	2	7	1	8	2	3	5	6	12	2	7	8	5	9	....	1	....	6	8	13	16	204
25	5	35	2	19	11	12	8	3	3	36	18	4	1	7	27	19	8	6	14	9	9	20	137	676
4	1	....	1	2	4	6	....	....	6	3	21	....	2	8	5	1	....	3	5	1	....	2	11	152
2	....	....	....	....	....	....	3	....	....	....	6	....	....	1	....	1	....	1	....	....	....	....	2	24
17	1	1	11	5	3	7	2	....	4	3	5	....	1	5	7	4	1	1	3	2	9	12	35	238
2	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	15
122	17	26	33	91	52	36	16	25	50	44	67	25	11	50	110	94	11	28	44	19	63	122	404	2,694
....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	2	6
59	7	4	17	27	25	31	7	5	43	11	15	8	3	16	35	25	2	17	14	14	24	51	165	1,048
8	1	1	2	13	5	3	1	2	....	4	6	3	....	9	3	7	....	5	5	2	5	9	22	172
6	1	1	5	4	3	5	2	3	6	3	2	5	1	5	7	7	....	7	3	5	11	7	24	190
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	20
....	....	1	....	....	....	....	2	....	....	....	....	....	....	....	....	2	2	1	1	....	....	1	5	24
6	2	4	6	3	6	1	3	....	2	1	7	4	1	10	5	6	....	6	2	5	3	3	17	163
15	3	3	4	9	7	9	....	....	13	7	5	4	....	4	7	11	3	5	8	5	14	12	83	390
9	....	2	2	....	2	2	1	....	2	....	2	....	....	1	7	3	1	2	1	1	3	4	25	101
47	8	1	15	29	28	31	6	4	29	16	7	8	2	11	32	23	3	11	29	12	19	50	178	870
2	....	....	1	2	5	1	....	....	6	1	....	2	....	....	3	2	....	....	2	....	1	4	20	93
51	10	1	15	29	7	20	3	9	10	7	6	10	1	16	21	22	1	16	9	33	20	21	82	722
6	....	....	2	4	....	....	....	....	....	1	1	....	....	1	1	....	....	1	....	....	....	5	24	77
14	....	....	....	3	1	1	....	....	1	2	4	1	....	3	8	3	....	1	3	....	....	5	18	99
28	9	9	14	12	12	12	12	5	10	9	8	9	....	17	24	11	7	12	25	7	12	22	87	627
6	2	2	3	3	3	2	....	2	3	3	2	1	....	1	5	3	....	2	3	2	1	2	11	112
....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	11	22
4	....	....	....	2	2	1	1	....	1	1	1	1	....	1	3	....	1	1	3	1	....	8	49	102
86	18	13	16	62	53	40	14	25	47	19	18	21	4	23	79	61	6	23	42	24	42	57	252	1,685
8	....	....	....	4	....	2	....	1	1	..	4	....	....	1	4	....	1	..	2	2	1	3	14	86
5	....	....	....	....	2	1	....	6	1	1	1	....	....	....	2	2	..	....	....	1	3	.	22	71
13	4	5	3	5	8	14	2	4	8	5	1	3	....	....	8	6	....	3	2	3	5	10	39	249
18	7	11	3	8	4	6	10	1	3	10	7	1	3	15	14	10	5	1	3	3	6	9	54	336
15	1	1	7	4	6	5	1	3	2	7	3	1	1	1	9	4	2	2	10	4	8	12	26	232
8	1	3	5	12	8	7	4	1	8	10	5	....	1	1	5	3	3	3	7	2	5	17	57	287
71	9	39	34	74	31	47	15	13	29	19	36	17	15	36	48	65	10	27	27	18	38	72	214	1,837
10	1	1	1	2	5	7	4	1	5	1	1	1	....	2	3	4	..	6	2	2	1	2	15	129
11	2	1	3	8	....	3	1	....	4	8	4	....	....	2	10	2	3	7	2	2	8	4	23	173
....	1	2	2	2	4	3	2	1	5	3	.	1	....	2	6	2	....	....	2	....	1	3	16	109
....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	10
1	....	1	....	3	2	....	....	1	2	2	..	....	....	....	1	5	....	....	....	1	....	....	6	44
7	....	4	3	10	11	5	1	3	8	6	3	2	....	3	11	8	....	3	4	3	4	6	16	225
31	5	20	5	12	10	13	8	1	8	13	48	3	6	13	22	23	16	6	8	18	7	25	151	794
11	1	2	7	5	3	7	3	1	....	..	7	2	1	8	10	8	9	4	7	4	2	10	16	222
2	1	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	..	1	....	2	1	1	1	34
13	....	1	3	7	3	8	1	1	2	4	....	....	....	2	10	4	....	....	5	....	4	13	42	205
7	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	1	1	....	....	....	35
15	2	2	5	9	6	7	3	....	4	7	8	....	....	8	10	8	1	8	8	4	5	15	18	295
8	5	3	11	14	4	8	3	1	6	9	4	....	....	4	8	10	....	4	4	5	5	14	53	308
10	....	....	1	2	3	10	3	4	5	3	2	....	...	6	7	6	1	2	9	4	7	12	20	34

TABLE No. 13.

Total Deaths by Individual

	General Diseases.	Algoma.	Brant.	Bruce	Carleton.	Dufferin.	Elgin.	Essex.	Frontenac.	Grey.	Haldimand.	Halton.	Haliburton.	Hastings.	Huron.	Kent.	Lambton.	Lanark.	Leeds and Grenville.	Lennox and Addington.	Lincoln.
Diseases of Urinary System.	Acute nephritis	2	6	3	21	2	6	7	.	2	2	.	.	4	.	1	4	.	4	.	.
	Bright's disease	4	6	13	11	1	6	11	13	7	4	3	1	12	11	13	12	7	14	9	6
	Other diseases of the kidneys and adnexa	3	.	7	5	3	5	3	7	2	2	7	.	9	8	1	8	6	1	1	1
	Vesical calculi	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
	Diseases of the bladder	.	.	1	9	.	4	3	1	1	1	1	.	2	4	1	1	1	1	.	.
	Diseases of the male genital organs	.	.	1	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Metritis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Other diseases of the uterus	1	1	.	1	.	.	2	2	.	.	.	.	.	.	1	.	.	.	.	.
	Ovarian cysts and other ovarian tumors	.	.	.	.	.	.	.	1	.	.	.	.	2	1	.	.	1	1	.	.
	Other diseases of the female genital organs	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.
Puerperal Diseases.	Puerperal septicæmia	1	.	.	4	.	1	2	.	4	.	.	.	.	2	1	1	2	.	1	2
	Puerperal albuminuria and convulsions	1	1	3	6	.	.	1	1	1	.	2	1	1	.	1	3	.	1	2	1
	Other accidents of pregnancy, sudden death	10	.	1	3	.	4	4	4	5	2	.	2	5	5	6	10	5	5	1	3
	Puerperal disease of the breast	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dis of Dis. of Loco-motion, Skin.	Erysipelas	.	1	1	3	.	1	.	5	2	1	.	.	.	2	2	1	3	1	1	2
	Other diseases of the skin and its adnexa (cancer excepted)	3	1	4	5	.	.	.	1	.	.	1	1	2	1	1	.	5	2	.	3
	Pott's disease	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.
	Diseases of bones and joints	.	1	1	3	.	2	.	.	1	1	1	.	.	2	.	1	.	.	.	.
	Amputation for unspecified disease	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Suicide. Malformations.	Still-births	16	28	32	101	6	9	38	19	31	6	7	3	28	29	27	28	20	16	11	12
	Congenital debility and malformations	79	28	49	206	15	19	65	31	54	13	15	4	35	36	62	56	29	36	13	24
	Other diseases of infancy	5	.	1	12	2	1	2	2	2	.	1	1	3	.	3	.	.	.	.	.
	Senile decay	47	53	56	133	27	79	79	90	133	40	28	6	121	110	94	95	73	147	45	48
	Poison	.	.	.	3	1	.	.	.	1	.	1	.	.	1	.	1	1	4	.	1
	Strangulation	.	.	1	1	.	.	.	3	.	.	1	.	.	1	2	.	.	.	.	1
	Gas poisoning	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Accident.	Drowning	.	.	.	.	1	1	.	.	.	.	.	.	1	5	1	.	4	.	.	.
	Firearms and other Methods	1	.	1	.	.	1	.	1	3	1	1	1	.	.	.	1	.	.	.	.
	Fractures and dislocations	26	4	8	12	.	10	6	20	9	2	4	2	10	6	4	5	3	9	5	10
	Gunshot	3	1	1	4	1	1	1	1	.	.	.	.	.	4	2	2	.	1	2	3
	Lightning	.	.	.	5	.	.	2	1	.	.	.	.	.	.	.	1	.	1	.	2
	Drowning	12	3	10	9	.	3	10	8	3	4	2	1	4	7	3	5	4	7	1	6
	Electric cars	.	.	.	2	.	.	3	.	2	.	.	.	1	.	.	.	.	1	.	.
	Bicycles	.	.	.	.	.	1	1	.	2	.	.	.	.	.	.	.	.	2	.	.
	Railways	6	2	.	4	1	5	4	3	2	3	1	.	4	.	4	2	5	6	1	2
	Burns and scalds	2	1	.	4	.	1	4	.	2	.	2	.	1	2	2	5	2	3	.	.
	Poison and other accidents	1	.	10	2	1	1	.	1	2	1	1	.	1	7	9	8	5	1	4	.
Ill defined Causes.	Dropsy	4	3	9	11	1	12	8	16	10	9	2	.	11	2	6	6	5	11	3	5
	Tumors	2	8	2	11	2	2	7	4	3	2	2	1	2	4	7	2	3	7	4	2
	Other ill-defined causes	39	5	6	9	2	4	10	9	14	4	1	3	14	6	6	8	3	14	4	7
	Killed by Stab	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Lockjaw	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1
	Anthrax	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Totals	631	464	621	1608	192	469	774	613	775	243	238	67	691	623	694	693	439	796	278	390

-Concluded.

Diseases by Counties in 1901.

Middlesex.	Muskoka.	Nipissing.	Norfolk.	Northumberland and Durham.	Ontario.	Oxford.	Parry Sound.	Peel.	Perth.	Peterboro.	Prescott and Russell.	Prince Edward.	Rainy River.	Renfrew.	Simcoe.	Stormont, Dundas and Glengarry.	Thunder Bay.	Victoria.	Waterloo.	Welland.	Wellington.	Wentworth.	York.	Totals.
8	1	....	1	4	2	3	1	4	1	4	1	..	..	1	1	1	2	4	2	2	.	7	31	145
29	3	5	6	12	8	13	1	6	13	8	7	4	3	9	16	18	3	1	12	14	13	22	109	499
9	3	1	2	5	5	4	1	4	4	6	7	2	1	1	11	7	.	2	3	5	7	13	18	200
1	..	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	..	4
7	..	....	1	9	3	2	....	1	6	1	....	1	.	2	5	3	..	2	3	1	4	4	10	97
..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	.	.	.....	.....	.....	1	4
..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	.....	1	3
1	..	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	1	1	13
..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	..	3	5	16
..	..	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	11
2	..	....	....	....	....	....	1	....	2	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....
2	..	....	1	....	....	....	....	2	1	..	1	1	..	..	2	3	..	1	....	....	2	4	2	43
2	1	....	1	....	2	....	1	....	....	1	1	1	....	....	2	..	3	2	..	1	.	....	9	53
10	2	7	1	2	1	2	3	1	1	1	4	..	1	6	3	5	2	6	2	2	2	2	10	149
..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
1	..	....	1	1	....	....	....	....	1	3	1	1	2	2	2	2	2	1	3	3	1	7	15	75
4	..	3	1	1	3	3	1	2	1	....	....	....	....	1	..	1	.	2	2	1	1	....	14	74
..	..	....	..	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	5
1	..	1	....	.	1	....	....	1	..	1	..	..	..	..	..	1	.	..	2	..	....	1	10	34
..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
58	15	16	11	32	15	23	16	1	19	33	21	6	2	30	33	19	11	14	14	18	24	68	199	1,151
50	22	70	17	32	30	35	36	24	36	37	147	14	11	65	67	56	10	25	48	15	56	95	411	2,308
....	....	15	....	1	....	....	....	....	....	....	5	..	1	5	....	....	....	....	....	....	....	....	....	62
188	17	15	61	179	62	62	11	11	70	60	58	51	2	91	112	116	2	19	61	63	103	138	245	3,367
1	1	....	1	..	..	1	..	....	....	1	....	....	....	....	1	....	....	....	1	1	3	3	10	38
5	1	....	1	1	..	1	..	....	....	....	.	1	..	1	3	....	....	1	....	....	1	2	2	30
..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2
..	..	1	....	....	....	....	....	....	....	....	....	....	....	....	1	..	..	2	....	....	1	2	1	22
..	..	....	....	....	....	2	....	....	....	....	....	....	....	....	....	2	....	....	2	1	1	..	4	23
22	6	22	4	14	9	8	7	1	6	10	4	5	6	17	5	1	5	1	4	6	4	7	38	367
2	2	1	1	.	..	1	2	1	1	2	2	1	1	1	2	....	..	....	1	4	....	....	2	52
..	..	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	2	....	....	....	....	1	22
1	..	....	1	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	2
6	6	4	1	5	1	2	12	....	....	6	3	..	18	7	8	8	3	2	1	8	....	....	16	223
..	..	....	....	....	3	....	....	....	1	4	....	....	....	....	....	....	....	....	....	....	....	....	4	21
..	..	....	....	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	.....	9
3	1	3	....	7	1	6	..	2	1	3	1	..	7	2	3	6	6	4	1	1	.	3	10	153
2	2	4	1	1	4	1	3	....	1	2	....	1	1	..	1	1	1	1	3	2	12	2	10	77
2	1	2	2	1	2	3	1	1	1	1	....	....	..	5	10	12	20	4	5	4	3	16	37	191
12	5	4	6	12	2	9	7	1	9	8	4	7	..	9	10	4	2	4	13	10	3	6	15	303
16	..	1	4	3	2	9	1	3	11	1	2	4	..	1	9	2	1	..	4	1	3	6	29	190
20	6	30	3	14	6	10	19	5	10	14	21	7	4	14	30	22	5	9	8	6	6	20	10	502
..	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	2
....	..	2	2	1	....	1	..	..	..	1	....	....	....	....	....	....	....	....	....	....	....	....	3	13
....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1
1258	238	437	393	872	524	601	286	235	554	518	362	248	142	594	943	795	213	383	531	402	618	1103	1015	27864

TABLE NO. 14.

Total Deaths by Individual Diseases in Cities in 1902.

General Diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Woodstock.	Totals.
I. Communicable (Epidemic) Diseases.															
1. Typhoid Fever	30	10	19	.	1	6	2	..	5	5	..	5	1	3	90
2. Smallpox	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
3. Measles	11	2	..	..	..	1	..	..	..	..	..	3	..	..	17
4. Scarlet Fever	90	3	39	1	.	1	2	..	..	..	..	2	2	1	141
5. Whooping Cough	10	11	4	.	1	1	..	1	1	1	2	8	2	.	52
6. Diphtheria and Croup	119	18	45	17	4	13	1	3	2	3	.	4	2	2	233
7. Influenza	9	1	2	1	..	2	..	..	.	2	2	..	1	1	21
8. Other Epidemic Diseases	1	..	..	1	..	..	..	..	..	..	..	..	..	..	2
II. Other General Diseases.															
1. Pyaemia and Septicaemia	29	9	12	5	2	3	1	2	2	1	2	2	1	..	71
2. Malarial Fever	1	..	..	..	..	1	..	..	..	..	..	..	1	..	3
3. Tuberculosis and Scrofula	332	88	120	68	37	38	31	20	19	15	11	20	11	8	798
4. Syphilis	2	..	2	..	..	..	..	..	..	..	..	..	..	..	4
5. Cancer	133	37	34	31	11	8	.	4	11	8	8	9	7	6	312
6. Rheumatism and Gout	17	7	1	5	1	1	2	1	3	..	.	1	2	1	42
7. Diabetes	20	2	6	3	2	2	2	3	..	1	1	..	.	.	42
8. Other General Diseases	..	..	7	1	..	1	..	..	..	..	..	2	.	.	9
9. Alcoholism, Acute and Chronic	4	..	1	..	..	1	.	.	2	..	..	.	.	.	8
Local Diseases.															
III. Diseases of Nervous System and Organs of Sense.															
1. Encephalitis	14	3	7	4	2	1	1	..	.	1	..	1	2	..	36
2. Simple Meningitis	64	10	34	5	1	3	..	.	2	3	2	9	1	2	136
3. Epidemic Cerebro-spinal Meningitis	21	4	3	4	1	2	1	.	1	..	..	..	1	.	38
4. Congestion and Hemorrhage of the Brain	138	35	25	25	12	7	5	7	9	7	9	7	3	7	294
5. Softening of the Brain	17	4	3	.	2	1	2	.	..	.	1	2	1	.	33
6. Paralysis without specified cause	64	13	19	19	16	6	8	2	1	3	1	3	6	3	164
7. Insanity	11	.	1	.	.	.	1	.	1	..	..	..	..	..	14
8. Epilepsy	15	..	1	1	1	1	1	.	1	.	1	1	1	.	27
9. Convulsions (not puerperal)	69	19	65	19	3	3	8	5	4	2	..	.	6	5	208
10. Other Nervous Diseases	11	2	2	5	1	.	2	.	2	.	1	.	.	.	26
IV. Diseases of Circulatory System															
1. Pericarditis	.	.	1	..	..	..	..	..	..	..	..	..	1	.	7
2. Endocarditis	14	.	10	1	1	.	.	.	2	1	..	1	.	1	36
3. Organic Heart Diseases	217	37	43	32	21	15	8	10	7	11	11	14	17	10	453
4. Angina Pectoris	8	3	0	1	.	1	..	..	..	..	..	3	0	.	27
5. Diseases of the Arteries, Atheroma, Aneurism, etc	17	.	2	..	..	..	..	..	..	..	..	1	.	.	20
6. Other Diseases of the Circulatory System	26	5	8	9	2	5	1	2	1	..	.	1	1	3	64
V. Diseases of the Respiratory System.															
1. Acute Bronchitis	43	7	18	10	2	2	..	3	2	..	2	3	2	1	95
2. Chronic Bronchitis	20	10	9	7	2	4	..	1	4	1	..	1	4	..	63
3. Broncho-pneumonia	47	15	25	3	2	1	..	3	2	2	2	6	1	2	111
4. Pneumonia	169	47	61	36	26	25	14	6	9	10	7	25	8	4	447
5. Pleurisy	13	2	3	2	3	..	..	.	.	1	2	..	1	2	29
6. Congestion of the Lungs (including Pulmonary Apoplexy)	20	4	3	7	4	2	..	2	.	.	1	1	..	2	44
7. Asthma and Emphysema	16	2	6	1	3	1	3	..	2	..	1	..	1	1	37
8. Other Diseases of the Respiratory System	.	.	1	.	.	.	.	.	.	.	.	2	.	.	3
VI. Diseases of the Digestive System.															
1. Ulcer of the Stomach	6	..	2	.	1	.	.	.	.	.	.	.	.	.	9
2. Other Diseases of the Stomach (Cancer excepted)	13	5	4	2	3	2	4	.	1	2	2	1	1	1	41
3. Infantile Diarrhœa and Gastro-enteritis ("Cholera Infantum")	138	20	50	19	6	13	4	2	2	2	2	3	4	4	276
4. Diarrhœa and Enteritis (not infantile)	15	7	6	5	6	.	2	..	2	3	..	1	3	1	51
5. Dysentery	.	.	2	1	2	.	.	.	.	.	.	1	2	.	8
6. Hernia and Intestinal Obstructions	36	8	11	6	1	.	.	1	2	1	.	.	1	3	70
7. Other Diseases of the Intestines	..	..	4	3	..	2	..	.	.	1	.	.	.	.	10
8. Diseases of the Liver	41	10	10	7	4	2	2	.	1	3	2	.	1	2	83
9. Peritonitis (not puerperal)	48	10	20	5	3	5	1	3	2	1	2	.	1	5	106
10. Iliac abscess (typhilitis, peri-typhilitis, appendicitis)	14	10	7	6	7	1	6	5	3	.	2	1	1	3	53

TABLE No. 14—*Concluded.*

General Diseases.	Toronto.	Hamilton.	Ottawa.	London.	Kingston.	Brantford.	St. Thomas.	Guelph.	St. Catharines.	Belleville.	Stratford.	Windsor.	Chatham.	Woodstock.	Totals.
VII. Diseases of the Genito-Urinary System.															
1. Acute Nephritis	32	5	13	6	..	3	1	..	..	1	..	2	..	1	64
2. Bright's Disease	96	15	7	12	8	3	1	2	3	4	1	1	4	3	160
3. Other Diseases of the Kidneys and Adnexa	13	12	1	6	2	..	2	1	..	1	3	1	..	..	42
4. Vesical Calculi	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2
5. Diseases of the Bladder	9	1	8	3	1	..	2	2	..	2	2	3	..	1	34
6. Diseases of the male Genital Organs	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
7. Metritis	1	..	1	..	..	..	..	..	..	..	..	..	..	..	2
8. Other Diseases of the Uterus	1	1	1	..	1	1	..	1	..	..	..	1	1	..	8
9. Ovarian Cysts and other Ovarian Tumors	3	3	..	..	1	..	..	..	..	1	..	..	..	1	9
10. Other Diseases of the Female Genital Organs	1	..	1	..	1	..	..	..	..	..	..	..	..	..	3
VIII. Puerperal Diseases.															
1. Puerperal Septicæmia	2	..	2	1	..	..	1	..	1	..	..	1	..	..	8
2. Puerperal Albuminuria and Convulsions	7	4	4	1	1	..	..	..	1	..	..	..	1	..	19
3. Other accidents of pregnancy, sudden death	10	1	2	3	1	..	1	1	..	..	..	4	1	..	24
4. Puerperal Disease of the Breast	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
IX. Diseases of the Skin and Cellular Tissue.															
1. Erysipelas	14	4	2	..	1	1	1	..	1	..	..	..	..	..	27
2. Other Diseases of the Skin and its Adnexa (Cancer excepted)	8	2	3	2	1	..	..	..	1	1	..	..	..	1	19
X. Diseases of the Locomotor System.															
1. Pott's Disease	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Diseases of Bones and Joints	9	1	5	..	..	..	1	..	..	..	..	..	..	..	16
3. Amputation (for unspecified Disease)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XI. Malformations, Diseases of Infancy, Diseases of Old Age.															
1. Still Births	171	47	80	33	11	20	5	10	7	4	3	13	8	7	419
2. Congenital Debility and Malformations	384	71	157	33	5	16	9	24	13	6	10	14	9	6	757
3. Other Diseases of Infancy	..	..	8	..	1	..	1	..	..	..	..	..	..	..	10
4. Senile decay	132	78	75	63	42	18	16	16	13	25	20	10	21	7	536
XII. Suicide.															
1. Poison	9	3	2	1	..	..	..	1	1	..	..	..	..	..	17
2. Strangulation	2	..	..	1	1	..	..	..	..	..	..	..	..	..	4
3. Gas Poisoning	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2
4. Drowning	1	..	..	..	..	..	..	1	..	..	..	..	..	..	2
5. Firearms	3	..	..	..	..	..	..	..	..	..	..	..	..	1	4
XIII. Accident.															
1. Fractures and Dislocations	33	7	9	12	7	1	2	..	3	..	3	2	4	2	85
2. Gunshot	2	..	2	1	1	..	..	..	1	..	..	..	..	..	7
3. Lightning	1	..	2	..	..	..	..	..	..	..	..	..	..	..	3
4. Drowning	12	..	7	..	3	2	..	..	3	..	..	2	..	1	30
5. Electric Cars	4	..	2	..	..	..	..	..	..	..	..	..	..	..	6
6. Bicycles	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
7. Railways	6	3	3	2	2	..	5	..	1	3	1	..	1	3	30
8. Burns and Scalds	9	2	2	..	..	1	..	..	..	..	..	..	..	..	14
9. Homicide	..	..	2	..	..	..	..	..	..	..	..	1	..	..	3
10. Other accidents	26	10	2	..	..	..	..	1	..	..	..	..	2	3	44
XIV. Ill-Defined Causes.															
1. Dropsy	9	6	7	4	6	..	3	..	2	..	1	1	3	3	45
2. Tumors	27	4	7	8	3	6	..	..	2	1	3	2	3	4	70
3. Other Ill-Defined Causes	32	9	3	11	2	3	2	3	2	1	4	3	1	3	79
4. Tetanus	2	1	..	1	..	..	..	..	1	..	..	..	1	1	7
5. Anthrax	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
6. Hanged by State	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Totals	3,234	775	1,188	582	301	261	147	142	165	141	128	201	173	133	7,571

TABLE No. 15.

Total Deaths by Individual Diseases by Towns in 1902.

General Diseases.	Berlin.	Brockville.	Cornwall.	Lindsay.	Niagara Falls.	Owen Sound.	Peterborough.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Toronto Junction.	Totals.
I. COMMUNICABLE (EPIDEMIC) DISEASES.												
1. Typhoid Fever		4	4	3	....	2	2	4	13	16	2	50
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	....	....	....	....	....	3	2	1	1	2	1	10
4. Scarlet Fever	1	....	....	10	..	..	12	3	....	3	2	31
5. Whooping Cough	....	....	....	....	....	....	2	1	..	....	....	3
6. Diphtheria and Croup	3	8	1	2	....	..	9	1	....	1	5	30
7. Influenza	1	....	....	....	....	3	..	..	....	2	....	6
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....
II. OTHER GENERAL DISEASES.												
1. Pyæmia and Septicæmia		1	.		1			.	2	1	2	7
2. Malarial Fever	..	....	....	..	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	9	19	15	6		9	16	2	8	6	8	98
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	7	6	3	4	2	2		3	4	4	8	43
6. Rheumatism and Gout	..	....	1	1	....	2			1	....	1	6
7. Diabetes	1	1	..	2	....	.	1	.	..	..	1	6
8. Other General Diseases	..	....	....	....	....	....	....	....	....	....	....	....
9. Alcoholism, Acute and Chronic	1	....	1	1	....	....	....	....	....	....	1	4
LOCAL DISEASES												
III. DISEASES OF NERVOUS SYSTEM AND ORGANS OF SENSE.												
1. Encephalitis	.	.	2	..	....	2	1	1	1	.	.	7
2. Simple Meningitis	3	2	4	2	1	4	2	..	1	6	2	26
3. Epidemic Cerebro-spinal Meningitis	..	....	....	....	....	....	....	....	....	....	....	....
4. Congestion and Hemorrhage of the Brain	8	5	10	..	3	6	5	1	3	2	2	45
5. Softening of the Brain	2	3	2	..	....	....	1	....	....	....	....	8
6. Paralysis without specified cause	2	3	2	4	3	1	1	1	1	1	1	20
7. Insanity	....	....	....	....	....	....	1	....	1	....	....	2
8. Epilepsy	....	1	....	....	....	1	1	....	....	2	.	5
9. Convulsions, (not puerperal)	6	1	3	3	1	2	2	....	6	10	5	39
10. Other Nervous Diseases	2	1	1	....	1	....	2	....	1	....	....	8
IV. DISEASES OF CIRCULATORY SYSTEM.												
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....
2. Endocarditis	....	....	....	....	....	3	....	....	....	....	2	5
3. Organic Heart Disease	10	10	5	4	3	11	9	4	9	8	4	77
4. Angina Pectoris	..	....	....	....	....	....	....	....	....	....	2	2
5. Dis's. of Arteries, Atheroma, Aneurism, etc.	....	....	....	....	....	1	....	....	1	....	....	2
6. Other Diseases of the Circulatory System	..	3	1	1	....	1	1	....	3	1	1	12
V. DISEASES OF THE RESPIRATORY SYSTEM.												
1. Acute Bronchitis	3	2	7	....	....	3	4	1	1	4	1	25
2. Chronic Bronchitis	3	5	1	1	1	....	1	....	....	1	....	15
3. Broncho pneumonia	1	1	1	....	....	2	5	....	....	5	....	15
4. Pneumonia	3	15	7	5	6	2	8	8	10	18	9	91
5. Pleurisy	....	....	1	2	....	....	....	....	1	1	....	5
6. Congestion of the lungs (including pulmonary, apoplexy)	1	3	....	2	..	2	4	....	....	..	..	12
7. Asthma and Emphysema	....	....	1	..	..	....	3	....	....	....	....	4
8. Other Diseases of the Respiratory System	....	....	....	..	..	..	....	....	....	1	....	1
VI. DISEASES OF THE DIGESTIVE SYSTEM.												
1. Ulcer of the Stomach	....	....	1	....	....	....	....	....	....	....	....	1
2. Other Dis's. of the Stomach (cancer excepted)	....	4	1	1	1	3	2	..	1	3	1	17
3. Infantile Diarrhœa and Gastro Enteritis ("Cholera Infantum")	2	6	2	1	5	2	3	4	2	30	2	59
4. Diarrhœa and Enteritis (not infantile)	....	6	....	....	.	2	..	1	....	3	....	12
5. Dysentery	..	1	....	..	1	....	....	....	1	2	..	5
6. Hernia and Intestinal obstructions	1	3	1	....	....	2	1	....	....	....	2	10
7. Other Diseases of the Intestines	....	....	....	....	....	....	....	....	....	....	....	....
8. Diseases of the Liver	....	2	1	2	1	....	3	....	1	....	....	10
9. Peritonitis (not puerperal)	3	7	4	2	....	....	4	1	....	6	....	27
10. Iliac abscess (typhilitis, peri-typhilitis, appendicitis)	1	2	....	2	2	2	1	....	3	....	....	13

TABLE No. 15.—*Concluded.*

General Diseases.	Berlin.	Brockville.	Cornwall.	Lindsay.	Niagara Falls.	Owen Sound.	Peterborough.	Rat Portage.	Sarnia.	Sault Ste. Marie.	Toronto Junction.	Totals.
VIII. Diseases of the Genito-Urinary System.												
1. Acute Nephritis							2					2
2. Bright's Disease	2	2	2	1	5		4	2	2	1	2	23
3. Other Diseases of the Kidney and Adnexa			1						1		1	3
4. Vesical Calculi							1					1
5. Diseases of the Bladder						1			1			2
6. Diseases of the Male Genital Organs												
7. Metritis												
8. Other Diseases of the Uterus												
9. Ovarian Cysts and other Ovarian Tumors		1										1
10. Other Diseases of the Female Genital Organs			1									1
VIII. Puerperal Diseases.												
1. Puerperal Septicaemia						2				1		3
2. Puerperal Albuminuria and Convulsions				1		1						3
3. Other acc. of Pregnancy, sudden death		3						1	2	2		3
4. Puerperal Disease of the Breast												
IX. Diseases of the Skin and Cellular Tissue.												
1. Erysipelas	1	1					2	1				5
2. Other Diseases of the Skin and its Adnexa (cancer excepted)										1	1	3
X Diseases of the Locomotor System.												
1. Pott's Disease							1					1
2. Diseases of Bones and Joints	1						1		1			3
3. Amputation (for unspecified disease)												
XI. Malformations, Diseases of Infancy, Diseases of Old Age.												
1. Still Births	2	7	1	4	7	5	13	1	7	3	10	63
2. Congenital Debility and Malformations	4	9	7	4	2	12	13		10	18	10	89
3. Other Diseases of Infancy								2		2		4
4. Senile Decay	14	12	18	4	8	17	21		10	2	5	111
XII. Suicide.												
1. Poison												
2. Strangulation												
3. Gas Poisoning												
4. Drowning												
5. Firearms												
XIII. Accident.												
1. Fractures and Dislocations	1	5	1		1	2	6	5		14	1	36
2. Gunshot							1	1		3		5
3. Lightning												
4. Drowning		1		2				9		4		16
5. Electric Cars												
6. Bicycles						1						1
7. Railways		4		4			1	3		2		14
8. Burns and Scalds		1					1					2
9. Homicide		1			1	1	1			1		5
10. Other accidents				1					3		5	9
XIV. Ill-Defined Causes.												
1. Dropsy	4	2	1		1	1				1	2	12
2. Tumors	1	2			1		1		1	1		7
3. Other Ill-Defined Causes	2	1	1	3	1	2	3			8		21
4. Lockjaw							1					1
Totals	106	177	116	85	59	118	182	65	115	203	102	1,328

APPENDIX.

BIRTHS, MARRIAGES AND DEATHS.

BIRTHS BY MONTHS, 1902—COUNTIES.

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of pair of twins.	Triplets.	Illegitimate.	Still Born.
Algoma :																	
Males	55	66	63	60	56	66	60	51	52	58	49	53	689	11		9	7
Females	62	63	59	70	59	57	46	72	71	57	42	44	702	13		10	6
Total	117	129	122	130	115	123	106	123	123	115	91	97	1,391	12 pair		19	13
Brant :																	
Males	38	36	34	30	37	35	35	36	26	33	31	38	409	6		8	6
Females	24	20	36	34	29	35	30	32	23	26	30	24	343	4		4	8
Total	62	56	70	64	66	70	65	68	49	59	61	62	752	5 pair		12	14
Bruce :																	
Males	57	53	64	49	49	55	56	71	59	57	55	50	675	27		6	16
Females	49	39	50	43	54	52	50	59	54	56	45	45	596	17		8	10
Total	106	92	114	92	103	107	106	130	113	113	100	95	1,271	22 pair		14	26
Carleton :																	
Males	93	121	91	108	77	109	115	104	80	95	126	109	1,228	29		71	18
Females	100	85	106	90	89	75	119	103	86	108	112	107	1,180	25		101	11
Total	193	206	197	198	166	184	234	207	166	203	238	216	2,408	27 pair		172	29
Dufferin :																	
Males	20	19	15	18	17	22	19	32	24	22	14	15	237	6		2	4
Females	11	13	19	15	19	18	17	12	13	21	13	21	192	6		2	3
Total	31	32	34	33	36	40	36	44	37	43	27	36	429	6 pair		4	7
Elgin :																	
Males	33	36	30	35	33	38	44	32	35	39	30	35	420	7		3	8
Females	36	31	28	39	31	24	34	34	25	31	20	27	360	7		3	7
Total	69	67	58	74	64	62	78	66	60	70	50	62	780	7 pair		6	15
Essex :																	
Males	66	72	72	71	53	63	82	62	55	58	55	71	780	17		2	9
Females	70	44	76	59	58	45	72	63	66	73	53	63	742	9		3	5
Total	136	116	148	130	111	108	154	125	121	131	108	134	1,522	13 pair		5	14

Frontenac :																	
Males	36	29	38	27	39	30	29	50	33	35	39	41	426	10		13	9
Females	44	36	38	39	35	39	46	42	35	41	46	33	474	16		14	5
Total	80	65	76	66	74	69	75	92	68	76	85	74	900	13 pair		27	14
Grey :																	
Males	62	52	64	53	71	65	65	90	56	61	65	66	770	13		2	15
Females	44	53	68	64	51	50	64	64	72	43	57	47	677	21		3	5
Total	106	105	132	117	122	115	129	154	128	104	122	113	1,447	17 pair		5	20
Haldimand :																	
Males	22	13	17	17	15	27	14	18	22	12	15	19	211	9		3	5
Females	21	13	19	16	18	13	17	18	15	13	12	13	188	11		2	2
Total	43	26	36	33	33	40	31	36	37	25	27	32	399	10 pair		5	7
Haliburton :																	
Males	9	7	6	7	8	10	13	8	9	9	8	7	101	2		2	3
Females	10	5	12	3	6	10	12	8	7	7	4	10	94	2			1
Total	19	12	18	10	14	20	25	16	16	16	12	17	195	2 pair		2	4
Halton :																	
Males	18	10	25	12	13	24	14	22	16	10	13	8	185	5		2	4
Females	16	10	21	14	17	7	19	22	21	15	11	6	179	1		3	4
Total	34	20	46	26	30	31	33	44	37	25	24	14	364	3 pair		5	8
Hastings :																	
Males	43	50	52	47	53	49	51	58	59	41	36	48	587	10		9	12
Females	54	49	46	43	37	50	64	44	50	40	43	54	574	8		6	7
Total	97	99	98	90	90	99	115	102	109	81	79	102	1,161	9 pair		15	19
Huron :																	
Males	43	46	57	49	40	46	62	50	52	46	48	46	585	12		1	18
Females	53	36	58	44	55	58	56	53	47	47	27	30	564	14		5	10
Total	96	82	115	93	95	104	118	103	99	93	75	76	1,149	13 pair		6	28
Kent :																	
Males	49	47	70	41	49	42	51	52	59	52	47	66	625	13		2	5
Females	44	59	57	48	47	44	46	63	43	63	42	35	591	13		3	1
Total	93	106	127	89	96	86	97	115	102	115	89	101	1,216	13 pair		5	6
Lambton :																	
Males	42	54	38	50	48	51	47	53	55	53	41	47	579	13	1		10
Females	47	45	50	45	41	51	55	48	51	44	42	38	557	3	2		7
Total	89	99	88	95	89	102	102	101	106	97	83	85	1,136	8 pair	1 case		17

BIRTHS BY MONTHS, 1902—COUNTIES.—*Continued.*

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of pair of twins.	Triplets.	Illegitimate.	Still Born.
Lanark :																	
Males	31	25	44	34	26	31	37	31	32	30	32	27	380	8	.....	1	8
Females	30	28	36	35	28	33	31	26	27	34	25	31	364	8	.....	1	11
Total	61	53	80	69	54	64	68	57	59	64	57	58	744	8 pair	.....	2	19
Leeds and Grenville :																	
Males	46	48	42	42	55	40	46	47	43	49	42	46	546	20	.....	5	11
Females	34	39	57	41	44	41	33	48	42	46	38	50	513	12	.....	5	8
Total	80	87	99	83	99	81	79	95	85	95	80	96	1,059	16 pair	.....	10	19
Lennox and Addington :																	
Males	13	15	25	16	13	19	15	27	22	16	13	14	208	4	.....	4	7
Females	10	13	28	10	16	19	24	20	10	13	13	21	197	6	.....	.....	4
Total	23	28	53	26	29	38	39	47	32	29	26	35	405	5 pair	.....	4	11
Lincoln :																	
Males	27	18	18	24	27	22	20	30	20	27	23	23	279	11	.....	5	4
Females	26	20	35	25	19	18	20	18	33	18	16	25	273	11	.....	2	3
Total	53	38	53	49	46	40	40	48	53	45	39	48	552	11 pair	.....	7	7
Middlesex :																	
Males	48	60	73	70	74	73	78	73	80	78	67	81	855	17	.....	24	24
Females	67	60	76	74	64	64	67	77	65	61	52	43	770	11	.....	18	27
Total	115	120	149	144	138	137	145	150	145	139	119	124	1,625	14 pair	.....	42	51
Muskoka :																	
Males	27	25	32	23	33	23	27	26	26	19	18	26	305	1	.....	4	7
Females	31	16	24	19	25	27	23	25	16	29	29	21	285	3	.....	1	5
Total	58	41	56	42	58	50	50	51	42	48	47	47	590	2 pair	.....	5	12
Norfolk :																	
Males	33	27	25	28	35	17	28	22	20	24	29	17	305	4	.....	2	3
Females	20	22	27	25	28	25	16	18	29	31	25	22	288	4	.....	5	5
Total	53	49	52	53	63	42	44	40	49	55	54	39	593	4 pair	.....	7	8

Northumberland and Durham :																	
Males	58	45	54	39	49	56	47	60	51	51	44	41	595	14	.....	6	18
Females	42	40	54	35	49	39	58	57	47	37	41	50	549	14	.....	9	8
Total	100	85	108	74	98	95	105	117	98	88	85	91	1,144	14 pair	.....	15	26
Nipissing :																	
Males	37	49	68	47	53	46	48	41	37	49	40	47	562	6	.....	5	7
Females	50	52	54	42	40	36	45	45	26	38	46	41	515	6	.....	1	5
Total	87	101	122	89	93	82	93	86	63	87	86	88	1,077	6 pair	.....	6	12
Ontario :																	
Males	33	40	46	46	34	32	42	32	37	44	35	25	446	11	.....	2	13
Females	38	31	36	38	31	36	30	45	40	38	34	35	432	11	.....	3	5
Total	71	71	82	84	65	68	72	77	77	82	69	60	878	11 pair	.....	5	18
Oxford :																	
Males	38	51	50	32	55	52	54	46	52	39	36	44	549	10	.....	6	10
Females	46	39	41	41	33	35	51	54	48	36	31	34	489	12	.....	2	11
Total	48	90	91	73	88	87	105	100	100	75	67	78	1,038	11 pair	.....	8	21
Parry Sound :																	
Males	33	53	38	34	35	35	25	35	29	27	24	37	405	12	1	6	8
Females	24	40	33	25	37	31	22	20	21	23	27	30	333	6	2	4	4
Total	57	93	71	59	72	66	47	55	50	50	51	67	738	9 pair	1 case	10	12
Peel :																	
Males	16	19	9	17	20	15	23	26	16	21	7	10	199	5	.....	1	1
Females	18	11	10	19	16	13	16	23	8	15	11	12	172	3	.....	.....	3
Total	34	30	19	36	36	28	39	49	24	36	18	22	371	4 pair	.....	1	4
Perth :																	
Males	41	33	49	50	49	52	45	60	53	40	37	25	534	12	.....	4	10
Females	35	37	39	42	43	38	39	42	34	44	33	37	463	8	.....	6	6
Total	76	70	88	92	92	90	84	102	87	84	70	62	997	10 pair	.....	10	16
Peterborough :																	
Males	42	28	24	36	39	40	51	41	26	41	33	37	438	2	.....	3	13
Females	25	26	21	29	38	36	28	41	34	28	19	26	351	4	.....	3	14
Total	67	54	45	65	77	76	79	82	60	69	52	63	789	3 pair	.....	6	27
Prescott and Russell :																	
Males	81	65	69	74	82	53	92	88	93	57	72	71	897	29	.....	1	13
Females	61	70	80	69	63	77	73	73	74	55	61	61	817	17	.....	.....	3
Total	142	135	149	143	145	130	165	161	167	112	133	132	1,714	23 pair	.....	1	16

BIRTHS BY MONTHS, 1902—COUNTIES.—*Concluded.*

Counties.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of pair of twins.	Triplets.	Illegitimate.	Still Born.
Prince Edward:																	
Males	7	19	12	16	16	12	7	18	15	12	11	10	155	3	.....	2	3
Females	13	14	12	12	13	9	20	8	15	12	6	6	140	5	.....	.....	3
Total	20	33	24	28	29	21	27	26	30	23	17	16	295	4 pair	.....	2	6
Rainy River:																	
Males	21	10	13	8	16	9	21	13	18	13	10	10	162	.....	.....	6	.....
Females	7	10	11	17	14	6	11	8	14	11	9	11	129	.....	.....	.....	2
Total	28	20	24	25	30	15	32	21	32	24	19	21	291	.....	.....	6	2
Renfrew:																	
Males	69	71	61	63	69	61	73	73	61	53	63	55	762	18	.....	4	14
Females	46	56	68	52	60	55	66	55	45	38	29	37	607	14	.....	13	12
Total	115	127	129	115	129	116	139	128	106	91	82	92	1,369	16 pair	.....	17	26
Simcoe:																	
Males	73	78	83	75	71	82	83	69	63	77	66	66	886	20	.....	6	17
Females	74	70	83	78	88	69	67	78	60	87	53	72	879	22	.....	4	7
Total	147	148	166	153	159	151	150	147	123	164	119	138	1,765	21 pair	.....	10	24
Stormont, Dundas & Glengarry:																	
Males	68	67	67	70	71	47	57	65	57	71	66	64	770	10	3	6	9
Females	64	44	55	60	49	61	52	57	55	59	42	42	640	14	.....	2	7
Total	132	111	122	130	120	108	109	122	112	130	108	106	1,410	12 pair	1 case	8	16
Thunder Bay:																	
Males	11	21	14	14	14	5	17	16	12	16	23	15	181	4	.....	1	9
Females	8	15	12	8	12	15	26	10	9	11	9	9	142	2	.....	2	5
Total	19	36	26	22	26	20	43	26	22	27	32	24	323	3 pair	.....	3	14

Victoria :																	
Males	31	28	34	36	38	30	37	30	24	27	23	23	361	10	.....	2	6
Females	23	28	31	38	35	30	27	37	34	32	20	28	363	8	.....	4	7
Total	54	56	65	74	73	60	64	67	58	59	43	51	724	9 pair	.....	6	13
Waterloo :																	
Males	62	37	56	47	60	54	50	48	51	55	38	44	602	16	.....	2	8
Females	34	41	45	34	36	32	50	71	57	46	58	32	536	12	.....	1	3
Total	96	78	101	81	96	86	100	119	108	101	96	76	1,138	14 pair	.....	3	11
Welland :																	
Males	21	21	31	19	32	24	33	37	32	24	23	30	327	9	.....	2	6
Females	33	14	28	31	22	29	27	23	22	20	32	28	304	1	.....	4	8
Total	54	35	59	50	54	53	60	60	54	44	55	53	631	5 pair	.....	6	14
Wellington :																	
Males	43	41	50	51	45	49	47	41	53	63	32	46	551	10	.....	3	9
Females	38	42	44	39	53	51	47	50	45	33	38	43	523	22	.....	3	14
Total	81	83	94	90	98	100	94	91	98	86	70	89	1,074	16 pair	.....	6	23
Wentworth :																	
Males	69	64	67	66	63	63	65	67	70	58	63	67	782	16	.....	10	18
Females	68	53	63	54	62	63	54	64	61	63	52	56	713	16	.....	7	20
Total	137	117	130	120	125	126	119	131	131	121	115	123	1,495	16 pair	.....	17	38
York :																	
Males	298	255	288	298	276	245	293	290	291	281	253	249	3,317	76	1	160	67
Females	264	271	255	241	256	280	281	260	270	257	239	256	3,130	76	2	134	49
Total	562	526	543	539	532	525	574	550	561	538	492	505	6,447	76 pair	1 case	294	116
Total Males	2,063	2,024	2,178	2,049	2,108	2,019	2,218	2,241	2,077	2,033	1,885	1,969	24,861	548	6	418	472
Total Females	1,914	1,803	2,101	1,899	1,920	1,896	2,051	2,090	1,920	1,900	1,687	1,751	22,932	498	6	401	351
Grand Total	3,977	3,827	4,279	3,948	4,028	3,915	4,269	4,331	3,997	3,933	3,572	3,720	47,796	523 pair	4 cases	819	823

BIRTHS BY MONTHS, 1902.—CITIES.

Cities.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No of pair of twins.	Triplets.	Illegitimate.	Still born
Toronto :																	
Males	231	194	230	247	225	187	226	225	228	213	194	184	2,584	54	1	146	53
Females	202	223	194	199	194	224	222	202	215	200	193	192	2,460	62	2	124	38
Total	433	417	424	446	419	411	448	427	443	413	387	376	5,044	58 pair	1 case	270	91
Hamilton :																	
Males	45	41	40	41	39	36	44	39	48	44	36	52	505	10	.....	11	15
Females	56	32	39	37	41	40	47	40	47	37	34	34	454	4	.....	8	11
Total	81	73	79	78	80	76	81	79	95	81	70	86	959	7 pair	.....	19	26
Ottawa :																	
Males	66	75	72	64	51	60	68	63	57	70	78	70	794	19	.....	65	9
Females	70	68	82	49	60	60	70	56	60	76	82	67	800	23	.....	102	.....
Total	136	143	154	113	111	120	138	119	117	146	160	137	1,594	21 pair	.....	167	9
London :																	
Males	26	22	25	27	34	32	31	31	33	38	26	48	373	9	.....	20	18
Females	32	24	28	37	30	22	27	34	30	24	26	22	336	3	.....	16	14
Total	58	46	53	64	64	54	58	65	63	62	52	70	709	6 pair	.....	36	32
Kingston :																	
Males	15	13	11	12	14	13	11	12	13	13	17	13	157	.....		7	1
Females	17	12	18	10	15	15	19	19	19	18	20	14	196	6	.....	14	3
Total	32	25	29	22	29	28	30	31	32	31	37	27	353	3 pair	.....	21	4
Brantford :																	
Males	24	22	17	19	20	23	15	21	16	17	10	19	223	6	.....	5	5
Females	16	12	19	18	15	19	20	19	9	16	16	14	193	2	.....	4	5
Total	40	34	36	37	35	42	35	45	25	33	26	33	416	4 pair	.....	9	10
St. Thomas :																	
Males	10	8	10	8	6	8	15	10	10	12	11	8	116	2	.....	1	4
Females	7	6	7	8	6	12	11	9	6	9	7	10	98	.....		1	4
Total	17	14	17	16	12	20	26	19	16	21	18	18	214	1 pair	.....	2	8

Guelph :																	
Males	9	12	12	11	6	10	7	15	11	11	4	10	124	4	.....	1	2
Females	15	5	18	9	11	12	12	12	10	7	12	8	131	8	.....	2	2
Total	24	17	30	20	17	22	19	27	21	18	16	24	255	6 pair	.....	3	4
St. Catharines :																	
Males	7	7	6	10	7	11	4	10	5	15	11	8	101	1	.....	3	1
Females	11	11	12	10	7	5	2	9	8	7	5	2	89	1	.....	1	2
Total	18	18	18	20	14	16	6	19	13	22	16	10	190	1 pair	.....	4	3
Belleville :																	
Males	4	5	3	5	3	3	6	4	3	4	3	4	47	.....	.....	1	2
Females	2	6	6	5	5	6	8	2	6	5	6	6	63	2	.....	2	2
Total	6	11	9	10	8	9	14	6	9	9	9	10	110	1 pair	.....	3	4
Stratford :																	
Males	9	11	8	11	6	13	8	9	8	7	7	6	103	3	.....	1	1
Females	6	6	2	10	12	6	6	13	4	8	4	5	82	1	.....	3	.....
Total	15	17	10	21	18	19	14	22	12	15	11	11	185	2 pair	.....	4	1
Windsor :																	
Males	13	11	10	10	13	8	13	11	11	10	5	15	130	.....	.....	.....	.....
Females	18	5	15	10	12	4	8	10	10	16	9	11	128	.....	.....	2	.....
Total	31	16	25	20	25	12	21	21	21	26	14	26	258	.....	.....	2	.....
Chatham :																	
Males	5	9	9	6	10	5	7	9	5	11	8	5	89	4	.....	.....	.....
Females	9	5	9	6	3	3	1	7	9	11	4	8	75	4	.....	.....	.....
Total	14	14	18	12	13	8	8	16	14	22	12	13	164	4 pair	.....	.....	.....
Woodstock :																	
Males	8	6	12	4	10	8	7	10	6	11	11	6	98	5	.....	1	2
Females	12	9	8	7	7	6	10	10	5	5	8	5	92	5	.....	.....	2
Total	20	15	20	11	17	14	17	20	11	15	19	11	190	5 pair	.....	1	4
Total Males	472	436	465	475	444	417	462	469	454	475	421	454	5,444	117	1	262	113
Total Females	453	424	457	415	418	434	453	442	438	439	426	398	5,197	121	2	279	83
Grand Total	925	860	922	890	862	851	915	911	892	914	847	852	10,641	119 pair	1 case	541	196

MARRIAGES BY MONTHS, 1902.—COUNTIES.

Counties.	Jany.	Feb'y	March.	April	May	June.	July.	August	Sept'r	Oct'b'r	Nov'r	Dec'r.	No. Dates.	Totals
Algoma	18	14	29	38	18	32	32	40	18	33	11	14	.....	347
Brant	16	10	6	23	12	37	18	16	11	33	20	36	.....	241
Bruce	11	36	15	30	19	17	15	18	37	11	28	52	.....	122
Carleton	64	58	57	93	49	120	55	60	88	69	62	62	2	799
Dufferin	26	17	25	12	5	23	5	8	12	16	12	27	1	189
Elgin	28	21	23	23	20	35	12	18	30	28	21	15	.....	307
Essex	109	109	95	134	96	115	129	155	183	154	166	102	.....	1,577
Frontenac	26	15	21	19	16	31	30	11	19	38	19	26	.....	274
Grey	62	32	50	10	28	60	39	27	37	19	23	60	.....	507
Haldimand	7	10	9	13	7	15	16	7	10	16	9	20	.....	139
Halton	13	9	9	9	6	20	5	5	9	11	6	18	.....	120
Haliburton	5	3	2	6	3	2	.....	1	2	5	2	9	.....	43
Hastings	40	37	24	50	30	66	35	27	73	40	40	66	.....	530
Huron	41	35	13	28	23	47	20	15	51	32	22	53	.....	410
Kent	42	26	25	19	30	69	27	29	55	51	63	47	.....	513
Lambton	18	38	23	38	34	51	28	27	35	58	13	62	.....	185
Lanark	21	15	14	21	13	28	16	14	15	25	20	35	.....	240
Leeds and Grenville	13	28	34	39	20	51	39	25	41	39	39	53	.....	454
Lennox and Addington	10	15	18	15	7	14	7	10	25	11	16	25	.....	173
Lincoln	17	12	12	17	22	28	10	18	25	24	18	20	.....	223
Middlesex	71	41	18	30	11	89	42	31	67	81	61	75	1	704
Muskoka	11	3	13	12	7	22	12	8	21	13	8	13	.....	143
Nipissing	25	15	14	31	10	39	18	22	21	21	31	16	.....	269
Norfolk	13	17	20	15	13	20	15	14	28	30	19	42	.....	246
Northumberland and Durham	51	28	40	32	20	46	15	17	41	24	23	62	.....	399
Ontario	16	25	20	25	13	29	17	5	17	29	23	42	.....	261
Oxford	32	28	40	33	21	38	14	14	38	28	19	38	.....	343
Parry Sound	5	11	11	22	9	15	9	18	10	21	16	30	1	181
Peel	8	17	16	13	6	17	4	4	8	11	4	18	.....	129
Perth	45	17	36	29	16	53	21	11	33	32	28	30	1	355
Peterborough	39	25	22	32	8	33	9	19	31	31	33	32	.....	312
Prescott and Russell	30	19	13	26	19	42	26	39	43	34	27	10	.....	328
Prince Edward	11	10	17	10	6	6	4	7	18	5	5	21	.....	123
Rainy River	10	2	3	12	11	5	7	10	10	5	7	6	.....	88
Renfrew	21	15	20	39	12	45	36	24	30	30	24	33	.....	329
Simcoe	54	28	45	40	35	56	32	35	47	61	42	70	.....	545
Stormont, Dundas and Glengarry	43	32	18	31	17	49	22	27	59	54	39	35	.....	426
Thunder Bay	6	4	6	8	5	15	7	13	14	12	11	12	.....	113
Victoria	26	21	25	21	13	25	23	12	31	25	13	18	.....	256
Waterloo	37	25	33	29	22	42	27	16	58	52	43	45	1	432
Welland	28	14	12	36	16	38	22	27	30	14	25	29	2	323
Wellington	14	33	24	36	19	46	20	20	34	19	24	54	.....	103
Wentworth	57	21	37	50	33	105	45	40	80	75	14	70	1	658
York	189	151	174	194	118	406	204	207	295	273	208	248	6	2,703
Totals	1,558	1,120	1,256	1,532	981	2,204	1,199	1,180	1,849	1,816	1,450	1,911	16	18,072

MARRIAGES BY DENOMINATIONS AND AGES, 1902.

Sex.	Religious denomination of bride and bridegroom.											How married		Totals.	Counties.	Ages.											
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholics.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Quakers.	Mennonitists.	Other denominations.	No denomination given.	License.	Bans.			Under 20 years of age.	From 20 to 24 years.	From 25 to 29 years.	From 30 to 34 years.	From 35 to 39 years.	From 40 to 44 years.	From 45 to 49 years.	From 50 to 54 years.	From 55 to 59 years.	From 60 to 64 years.	From 65 to 69 years.	70 years and over.	Ages not given.
Males	53	96	90	89	13	1	4	1	....	1	3	6	....	....	357	Algoma	5	115	133	52	26	10	6	3	2	1	....	....	4
Females	66	73	97	91	13	2	5	1	....	2	2	5	....	....	357		106	137	68	22	9	4	1	3	2	....	....	....	5
Total	119	169	187	180	26	3	9	2	...	3	5	11	303	54	714		111	252	201	74	35	14	7	6	4	1	....	....	9
Males	38	37	97	12	41	7	....	1	....	....	5	....	....	....	241	Brant	2	74	90	37	15	9	4	5	1	1	1	....	2
Females	28	36	97	12	50	10	1	....	....	....	6	1	....	....	241		24	107	59	23	13	4	3	....	2	1	....	....	3
Total	66	73	194	24	91	17	1	1	....	....	11	1	238	3	482		26	181	149	60	28	13	7	5	3	2	1	....	7
Males	40	148	117	35	31	1	25	9	....	2	9	5	....	....	422	Bruce	3	92	157	87	41	17	8	6	1	2	3	3	2
Females	46	147	122	33	31	1	23	9	...	....	4	6	....	....	422		55	162	110	42	21	7	6	3	1	2	....	....	13
Total	86	295	239	68	62	2	48	18	....	2	13	11	385	37	844		58	254	267	129	62	24	14	9	2	4	3	3	15
Males	165	172	122	273	18	11	11	....	....	....	12	15	....	....	799	Carleton	16	205	260	152	68	40	24	12	7	3	3	3	6
Females	157	125	108	335	26	16	8	....	....	....	17	7	....	....	799		100	339	218	70	29	19	5	4	5	2	..	..	9
Total	322	297	230	608	44	27	19	....	....	....	29	22	598	201	1598		116	544	478	222	97	59	29	16	12	4	3	3	15
Males	36	72	52	4	7	1	1	....	....	....	16	....	....	....	189	Dufferin	2	40	92	25	15	5	4	2	2	....	1	1	....
Females	28	72	60	4	7	1	....	....	....	1	16	....	....	....	189		29	84	53	12	6	1	2	....	1	....	....	1	....
Total	64	144	112	8	14	2	1	....	....	1	32	....	187	4	378		31	124	145	37	21	6	6	2	3	....	1	2	....
Males	33	59	147	1	41	3	....	4	....	....	11	5	....	....	307	Elgin	5	106	94	41	22	17	9	1	6	1	1	....	1
Females	26	53	130	8	59	2	....	6	....	....	19	4	....	....	307		57	133	57	30	10	8	3	3	1	....	....	....	5
Total	59	112	277	12	100	5	....	10	....	..	30	9	306	1	614		62	239	151	71	32	25	12	4	7	1	1	..	9

MARRIAGES BY DENOMINATIONS AND AGES, 1902.—*Continued.*

Sex.	Religious denomination of bride and bridegroom.												How married.		Totals.	Counties	Ages											
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholics.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Quakers.	Mennonites.	Other denominations.	No denomination given.	License.	Banns.			Under 20 years of age.	From 20 to 24 years.	From 25 to 29 years.	From 30 to 34 years.	From 35 to 39 years.	From 40 to 44 years.	From 45 to 49 years.	From 50 to 54 years.	From 55 to 59 years.	From 60 to 64 years.	From 65 to 69.	70 years and over.	Ages not given.
Males	180	205	528	307	120	46	96	7	...	....	43	45	.....	...	1577	Essex	43	597	166	172	129	64	39	34	13	14	3	3	.
Females	205	174	464	335	137	45	121	11	...	....	57	28	.....	..	1577		356	637	278	128	82	52	22	12	3	3	1	...	3
Total	385	379	992	642	257	91	217	18	..	...	100	73	1461	116	3154		399	1234	744	300	211	116	61	46	16	17	4	3	3
Males	19	43	108	47	10	3	2	..	...	....	9	3	.....	....	274	Frontenac	7	76	97	46	16	9	4	6	6	3	....	....	4
Females	54	36	119	46	6	4	....	...	...	....	5	4	.....	...	274		49	108	57	26	10	5	4	4	1	..	.....	..	10
Total	103	79	227	93	16	7	2	....	...	....	14	7	245	29	548		56	184	154	72	26	14	8	10	7	3	.....	..	14
Males	57	169	181	22	20	2	26	13	...	3	11	3	.....	....	507	Grey	1	124	194	96	51	18	5	5	3	1	2	2	5
Females	47	161	182	27	30	3	20	16	..	3	14	4	.....	.	507		55	198	161	47	18	10	2	4	1	1	....	1	9
Total	104	330	363	49	50	5	46	29	...	6	25	7	483	24	1014		56	322	355	143	69	28	7	9	4	2	24	3	14
Males	13	20	53	6	19	.	3	5	...	4	15	1	.	....	139	Haldimand	3	45	49	19	3	6	1	8	1	1	2		1
Females	19	10	61	7	15	.	1	4	....	5	13	1	...	...	139		24	60	28	13	2	3	2	2	1		1		3
Total	32	30	114	13	34	.	7	9	....	9	28	2	131	8	278		27	105	77	32	5	9	3	10	2	1	3	..	4
Males	20	36	51	2	5	2	1	...	1	....	2	...			120	Halton	1	25	41	28	12	5	3	2	2	..	..	1	.
Females	15	37	61	2	1	..	....	....	...	...	3	1	.....	...	120		7	50	35	21	3	2	1	.		1	..	..	.
Total	35	73	112	4	6	2	1	...	1	....	5	1	116	4	240		8	75	76	49	15	7	4	2	2	1	...	1	
Males	17	9	16	....	1	....	....	..	....	....	....	....	.....	....	43	Haliburton	....	14	18	5	2	1	3	....	....	....	....	....	....
Females	17	10	14	....	1	..	....	....	....	....	....	1	.....	....	43		9	19	9	3	....	2	....	....	....	....	....	....	1
Total	34	19	30	....	2	....	....	..	....	....	....	1	43	....	86		9	33	27	8	2	3	3	....	....	....	....	....	....

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MARRIAGES BY DENOMINATIONS AND AGES, 1902.—*Continued.*

Sex.	Religious denomination of bride and bridegroom.												How Married.		Totals.	Counties.	Ages.											
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholics.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Quakers.	Mennonites.	Other denominations.	No denomination given.	License.	Banns.			Under 20 years of age.	From 20 to 24 years.	From 25 to 29 years.	From 30 to 34 years.	From 35 to 39 years.	From 40 to 44 years.	From 45 to 49 years.	From 50 to 54 years.	From 55 to 59 years.	From 60 to 64 years.	From 65 to 69 years.	70 years and over	Ages not given.
Males	32	44	16	3	2	1	3	..	..	..	12	..	..	..	113	Muskoka	..	39	61	23	7	4	1	4	3	..	..	1	..
Females	33	48	42	5	6	..	1	..	..	..	8	..	..	..	143		36	60	28	8	1	2	2	2	..	..	..	..	1
Total	65	92	88	8	8	1	4	..	..	..	20	..	139	4	286		36	99	89	31	11	6	3	6	3	..	..	1	1
Males	25	35	30	164	5	..	7	..	..	..	3	..	..	..	269	Nipissing	3	110	86	38	14	7	1	..	2	1	..	..	1
Females	21	36	31	166	7	..	7	..	..	..	1	..	..	..	269		102	106	33	12	4	2	3	..	..	..	..	..	7
Total	46	71	61	330	12	..	14	..	..	..	4	..	134	135	538		105	216	119	50	18	9	7	..	2	1	..	..	11
Males	32	21	103	5	71	1	1	2	..	..	3	7	..	..	246	Norfolk	4	100	75	26	19	10	2	3	1	1	1	3	1
Females	29	19	100	5	73	..	5	1	..	..	5	9	..	..	246		57	92	53	17	8	5	4	2	2	..	1	..	5
Total	61	40	203	10	144	1	6	3	..	..	8	16	240	6	492		61	192	128	43	27	15	6	5	3	1	2	3	6
Males	54	79	225	20	9	2	..	..	..	..	8	2	..	..	399	Northumberland and Durham	7	108	141	65	35	17	4	5	7	2	6	3	1
Females	51	77	232	15	13	..	..	..	..	..	10	1	..	..	399		58	175	87	30	22	9	11	2	1	1	..	1	2
Total	105	156	457	35	22	2	..	..	..	..	18	3	385	14	798		65	283	228	95	55	26	15	7	8	3	6	4	3
Males	14	68	129	23	15	4	1	..	..	2	1	1	..	..	261	Ontario	..	61	90	58	22	12	11	4	1	..	..	2	..
Females	20	62	133	25	12	..	..	..	2	..	5	2	..	..	261		33	104	68	26	15	5	3	..	..	..	1	..	6
Total	34	130	262	48	27	4	1	..	2	2	9	3	238	23	522		33	165	158	84	37	17	14	4	1	..	1	2	6
Males	39	73	130	13	61	2	5	3	3	1	8	5	..	..	343	Oxford	1	103	113	54	24	13	12	7	8	2	2	1	1
Females	11	73	137	14	56	2	7	2	..	1	5	5	..	..	343		13	138	84	30	13	7	6	2	2	1	1	..	7
Total	80	146	267	27	117	4	12	5	3	2	13	10	331	9	686		14	241	197	93	37	20	18	9	10	3	3	1	8
Males	33	38	67	28	7	..	6	1	..	..	1	1	..	..	181	Parry Sound	..	61	61	30	16	3	2	1	2	2	..	..	..
Females	34	37	63	25	6	..	9	2	..	..	..	5	..	..	181		55	77	25	5	7	3	1	..	1	..	..	..	13
Total	67	75	130	53	13	..	14	3	..	..	1	6	165	16	362		55	138	86	35	23	6	3	1	3	2	..	..	10

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MARRIAGES BY DENOMINATIONS AND AGES, 1902.—*Concluded.*

Sex	Denominations.												How married.		Totals.	Counties.	Ages.										
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholic.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Quakers.	Mennonites.	Other denominations.	No denomination given.	License.	Banns.			Under 20 years of age.	From 20 to 24 years.	From 25 to 29 years.	From 30 to 34 years.	From 35 to 39 years.	From 40 to 44 years.	From 45 to 49 years.	From 50 to 54 years.	From 55 to 59 years.	From 60 to 64 years.	From 65 to 69 years.	70 years and over.	Ages not given.
Males	34	53	123	20	11	..	1	..	..	..	13	1	..	..	256	Victoria	1	68	95	45	23	9	2	3	4	2	1	1	2
Females	33	48	133	18	14	..	..	..	..	..	10	..	..	..	256		36	109	70	18	8	4	3	1	..	1	..	..	5
Total	67	101	256	38	25	..	1	..	..	..	23	1	210	16	512		37	177	165	63	31	13	5	5	4	3	1	1	7
Males	26	74	55	79	15	3	92	15	..	..	39	20	11	..	432	Waterloo	..	155	145	72	26	8	13	5	2	..	3	1	1
Females	28	70	59	72	13	..	91	23	..	..	43	22	8	..	432		32	199	126	32	17	8	3	1	3	..	1	..	10
Total	54	144	114	151	28	3	186	38	..	..	82	42	22	306	126	864	32	354	271	104	43	17	16	6	5	..	4	1	11
Males	58	47	98	35	22	4	20	3	..	3	30	3	..	..	323	Welland	8	87	118	50	30	7	9	2	7	3	1	..	1
Females	56	47	87	43	23	3	20	1	2	3	35	3	..	..	323		52	134	75	36	11	5	4	2	..	2	..	..	2
Total	114	94	185	78	45	7	40	4	2	6	65	6	301	22	646		60	221	193	86	41	12	13	4	7	5	1	..	3
Males	43	137	124	42	16	7	7	3	..	2	22	..	..	..	403	Wellington	..	88	150	96	25	12	10	6	6	6	1	1	2
Females	45	143	123	43	19	9	3	2	..	3	13	..	..	..	403		30	170	132	32	14	8	7	4	..	1	..	..	3
Total	88	280	247	85	35	16	10	5	..	5	35	..	375	28	806		30	258	282	128	39	20	17	10	6	7	1	1	5
Males	124	115	258	73	42	7	5	..	..	..	25	9	..	..	658	Wentworth	8	219	217	101	40	19	13	16	3	3	1	7	8
Females	132	110	253	73	43	8	8	2	..	..	12	17	..	..	658		81	280	162	53	22	16	8	6	3	3	2	..	12
Total	256	225	511	146	85	15	13	2	..	..	37	26	636	22	1316		89	499	379	154	62	35	21	22	6	6	6	7	30
Males	685	577	853	224	173	44	16	1	10	16	92	12	..	..	2703	York	25	884	908	403	208	96	55	41	22	18	10	6	27
Females	755	522	835	242	176	35	12	..	4	17	89	16	..	..	2703		334	1189	688	236	79	48	35	14	13	1	5	17	60
Total	1440	1099	1688	466	349	79	28	1	14	33	181	28	2580	123	5406		359	2073	1596	639	287	144	90	55	35	19	15	7	87
Males	2872	3804	6070	2684	1083	193	452	101	15	91	511	196	..	..	18072	Grand Total	206	5624	6149	2839	1414	660	396	264	167	104	61	69	119
Females	949	3544	6016	2841	1178	166	470	116	10	104	448	200	..	..	18072		2884	7630	4281	1517	647	348	207	101	66	35	25	10	321
Total	5821	7348	12086	5515	2261	359	922	217	25	195	999	396	16077	1995	36144		3090	13254	10430	4356	2061	1008	603	365	233	139	86	79	440

CAUSES OF DEATHS BY COUNTIES IN 1902.—ALGOMA.—Population, 45,844. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social con.			Ages.																					Months.												Total.
										Under 5.																																	
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Tyhoid Fever	18	9	....	17	7	3	8	11	8	1	1	1	1	4	..	2	1	3	1	2	3	2	2	1	..	1	..	1	2	1	1	2	....	2	2	6	6	1	4	27
2 Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	2	3	....	4	1	....	5	....	....	1	1	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	2	..	1	1	..	..	1	..	..	..	5
4. Scarlet Fever	6	4	....	9	1	....	9	....	1	1	..	..	1	1	3	..	1	1	..	..	1	..	..	..	..	..	..	..	1	..	2	2	..	1	..	1	..	1	..	..	3	10
5. Whooping Cough	1	....	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
6. Diphtheria and Croup	6	8	....	14	....	....	14	....	....	1	3	..	1	5	1	1	1	..	..	..	..	..	..	2	..	1	..	..	1	1	3	4	1	..	..	1	..	2	2	14
7. Influenza	4	4	....	7	1	....	5	1	2	2	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	1	..	..	1	1	..	2	8
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	37	28	....	52	10	3	42	12	11	7	6	2	5	10	5	3	3	5	1	2	4	2	2	3	..	2	..	3	5	8	7	4	3	1	3	3	9	7	3	12	65
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	1	1	....	2	....	....	....	1	1	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	....	....	....	....	....	2
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	34	40	....	68	1	5	43	28	3	2	..	..	1	1	7	5	17	7	6	7	4	2	6	5	3	1	..	..	10	9	9	5	3	2	2	2	8	7	6	11	74
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	7	7	....	12	2	....	3	10	1	....	....	....	....	....	....	1	..	1	..	2	..	2	2	2	3	1	..	..	3	..	2	2	2	2	1	..	..	1	1	..	14
6. Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1
7. Diabetes	1	..	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	43	48	....	82	4	5	46	40	5	2	..	..	1	1	7	6	17	8	8	9	4	4	8	7	7	2	..	..	13	9	11	7	6	4	4	2	8	8	8	11	91
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	....	3	....	3	....	....	3	....	....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	3
2. Simple Meningitis	5	2	....	6	....	1	4	....	3	3	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	..	..	1	1	..	2	1	..	..	..	1	1	7
3. Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	..	..	2	..	..	..	..	1	..	1	..	..	..	..	31	2	1	6
4. Congestion and Hemmorrhage of Brain	4	2	....	4	1	1	3	3	....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	4
5. Softening of Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Paralysis without specified cause	3	1	....	1	3	....	....	3	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Epilepsy	2	....	....	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	2
9. Convulsions (not puerperal)	14	11	1	26	....	....	24	....	2	18	1	1	1	..	1	..	1	....	....	....	....	....	....	....	....	....	....	3	6	..	2	5	2	..	2	2	3	2	1	1	26
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	28	19	1	41	4	3	35	6	7	25	3	1	1	..	1	..	1	1	1	1	..	1	1	3	2	2	..	4	6	2	4	8	4	2	3	4	3	4	5	3	48

ALGOMA.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	16	3		8	6	5	3	9	7						1		1		3	1	2	1	1	2	5		2		3	1	1	1	2		1	1	3	3		3	19
4. Angina Pectoris	1			1				1											1												1										1
5. Arteries, Atheroma, Aneurism, etc.																																								
6. Other Diseases of Circulatory System	1	2		3			1	2												2					1					1							1	1		3
Total	18	5		12	6	5	4	12	7						1		1		4	3	2	1	1	2	6		2		3	1	3	1	2		1	1	3	4	1	3	23
V. RESPIRATION.																																								
1. Acute Bronchitis	2	4		6			5	1		3	1		1														1				3	1	1						1	6
2. Chronic Bronchitis	1	2		3			1	2		1											1			1				1	1					1						3
3. Broncho-pneumonia	3	3		4	1	1	3	1	2	1					2					2			1					3		2				1						6
4. Pneumonia	20	19		24	9	6	22	9	8	7	1	2	3	1	1			4	3	4	1	3	1	3	4	1			2	3	3	6	6	5	3	1	1	2	2	5	39
5. Pleurisy		1		1				1																			1				1									1
6. Other Diseases of Respiratory System		1		1			6								1																		1							1
Total	26	30		39	10	7	32	14	10	12	2	2	4	1	4			4	3	6	2	3	1	4	5	1	2		6	4	7	9	7	6	5	1	1	2	2	6	56
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)		2		1	1		1	1			1											1												1	1					2
3. Infantile Diarrhœa and Cholera Infantum	29	27		52	3	1	56			42	9	5																	2		1	1		2	3	19	20	6	1	1	56
4. Diarrhœa and Enteritis (not infantile)	2	2		3	1		3	1							1	1		1								1			1		1						1		1	4
5. Dysentery	2			2			2						2																					2						2
6. Hernia and Intestinal Obstructions		1		1					1										1																1					1
7. Diseases of the Liver	1			1				1																	1											1				1
8. Peritonitis (not puerperal)	7	2		8	1		5		4	1					1			1	4	2			1					1				1	1			1	3	1	1	9
9. Iliac Abscess and Appendicitis	1	1		2			1		1					1																1		1								2
Total	42	35		70	6	1	68	3	6	43	10	5	2		2	2		2	5	2		2			1	1			4	1	2	1	2	5	4	22	22	9	2	3	77
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	1	1		2			2						1						1												1			1						2
2. Bright's Disease	4			2	2		2	2							1									1		2						1	1				1	1		4
3. Other Diseases of Kidneys and Adnexa	1	2		2	1		1	2			1								1							1				1						2			3
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus		1		1				1																	1										1					1
9. Ovarian Cysts and Ovarian Tumors																																								
Total	6	4		7	3		5	5			1		1		1			1	1					1	1	3				2		1	1	2		2	1	1		10
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia		1		1				1										1												1										1
2. Puerperal Albuminuria and Convulsions		1			1			1														1							1											1

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CAUSES OF DEATHS BY COUNTIES IN 1902.—BRANT.—Population, 38,521. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social cond.			Ages.																														Months.												Total.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-58.	60-69.	70-79.	80 & over.	Not g'v'n.	Jan.	Feb.	March.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.												
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.																																						
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	8	2		6	3	1	4	4	2							1	2	1	3	1			1				1	2		1			1			3	1	1	1	10										
2. Smallpox																																																		
3. Measles	1	3		3	1		4			3	1																	1	3											4										
4. Scarlet Fever		1		1			1									1																							1	1									
5. Whooping Cough	2			2			2			2																										1				2										
6. Diphtheria and Croup	10	8		11	2	2	17	1		1	6	4	2	3									1				1	3	1	3	2	2	1		2	1	1	2	18										
7. Influenza	1	1		1	1			1	1													1		1					1										1	2										
8. Other Epidemic Diseases		1		1				1											1										1											1										
Total	22	16		28	7	3	28	7	3	6	7	4	2	3	3	2	2	1	4	1	1	2	1				2	6	7	4	2	2	2	1	5	2	2	5	38										
II. OTHER GENERAL DISEASES.																																																	
1. Pyæmia and Septicæmia		4			2	2		3	1										1	1			1				1				1	1		1		1		4										
2. Malaria Fever	1			1				1																		1								1					1										
3. Tuberculosis and Scrofula	23	29		42	6	4	27	14	11	6		2			3	3	7	2	3	9	3	2	2	2	4	1		3	4	8	10	7	6	1	3	2	6	1	3	1	52										
4. Syphilis																																																	
5. Cancer	7	8		7	6	2	1	12	2									1		1			3	2	4	2	2		1	2		2	2	3	1			1	2	1	15										
6. Rheumatism and Gout	3	2		3	1	1		4	1																3	2			1			1					1		1	1	5										
7. Diabetes	7			5	1	1		6	1									1		1		2	1	1			1		2		1	1	1				1	1		7										
8. Other General Diseases		1		1					1																1				1											1										
9. Alcoholism, Acute and Chronic	1				1				1															1														1			1										
Total	42	44		58	18	10	28	39	19	6		2			3	3	7	4	4	12	3	4	7	6	12	6	3	4	9	10	11	12	10	4	6	2	8	4	7	3	86										
Local Diseases.																																																	
III. NERVOUS SYSTEM.																																																	
1. Encephalitis	2			2			2					1	1																1									1		2										
2. Simple Meningitis	1	3		2	1	1	2	2			1	1													2					1	1		1				1		4										
3. Epidemic Cerebro-spinal Meningitis		2		2			2			1		1																						1					2										
4. Congestion and Hemorrhage of Brain	6	10		3	11	2	1	12	3		1			1									1	3	2	6	2		5		2		2		1		1	1	4	16										
5. Softening of the Brain	1	2		1	2			2	1															1	1	1						1	1				1			3										
6. Paralysis without specified cause	5	5		5	3	2	1	6	3															1	5		3	1		1		2	2	1	1		1		1	10										
7. Insanity																																																	
8. Epilepsy	1			1			1										1																					1			1										
9. Convulsions (not puerperal)	2	2		4			4			1	2				1														1		2	1							4										
10. Other Nervous Diseases		2		1	1		1	1																1	1					1						1			2										
Total	18	26		21	18	5	14	23	7	2	3	4	1		2		1						1	6	11	7	5	1	6	2	6	5	4	4	1	2	4	2	3	5	44										
IV. CIRCULATORY SYSTEM.																																																	
1. Pericarditis																																																	

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BRANT.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	....	1	....	....	..	1	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1
2. Skin and Adnexa (cancer excepted)	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Total	1	1	....	....	1	1	....	2	....	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	2
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
2. Diseases of the Bones and Joints	....	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
3. Amputation (for unspecified Diseases)	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Total	....	1	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	12	11	....	23	....	....	23	....	....	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3	1	1	5	..	4	..	4	2	1	23
2. Congen. Debility and Malformations	21	6	1	26	2	....	28	....	....	27	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	..	3	1	2	3	4	6	..	3	1	28
3. Other Diseases of Infancy	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
4. Senile Decay	33	20	....	16	34	3	6	34	13	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	20	29	..	6	7	2	15	2	3	2	..	2	8	3	3	53
Total	66	37	1	65	36	3	57	34	13	50	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4	20	29	..	11	9	5	19	4	10	5	8	8	12	8	5	104
XII. SUICIDE.																																								
1. Poison	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
2. Strangulation	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
3. Gas Poisoning	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
4. Drowning	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
5. Firearms	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Total	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	3	1	....	1	2	1	2	1	1	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	2	..	..	1	1	..	..	1	4
2. Gunshot	1	....	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
3. Drowning	2	1	....	2	1	....	2	1	....	....	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	1	3
4. Electric Cars	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
5. Railways	....	2	....	2	....	....	1	1	....	....	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2
6. Burns and Scalds	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
7. Homicide	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Total	6	5	....	6	4	1	6	4	1	....	1	..	..	..	1	..	1	..	1	..	2	..	..	..	1	2	1	1	..	..	1	..	2	1	..	1	4	..	..	2	11
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	1	2	....	1	2	....	1	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	3
2. Tumors	3	5	....	3	4	1	3	4	1	....	..	..	..	..	..	..	..	..	..	..	..	1	1	1	3	2	..	..	..	..	1	1	2	..	..	3	1	..	..	..	8
3. Other Ill-Defined Causes	4	1	....	3	1	1	2	3	....	1	1	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..	..	1	1	..	1	1	..	..	..	..	1	..	..	5
Total	8	8	....	7	7	2	6	9	1	1	1	..	..	..	..	..	..	..	..	1	..	2	1	2	4	4	..	..	1	2	1	3	1	..	1	4	2	1	..	16
Total from all causes	257	205	2	291	129	44	209	187	68	90	24	11	5	3	12	7	20	11	15	21	13	15	15	32	53	61	44	12	40	45	39	54	41	37	28	26	57	26	35	36	464

CAUSES OF DEATHS BY COUNTIES, IN 1903.—BRUCE—Population, 59,610. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																						Months.												Total.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.																
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not Stated.	0.	1.	2.	3.	4.															January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever	1	4	....	5	....	....	1	4	....	....	.	.	.	.	.	.	.	1	.	1	..	1	..	1	1	....	....	1	..	..	..	1	..	..	..	1	1	..	..	1	5
2. Smallpox	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	4	2	....	6	....	....	5	1	....	....	1	1	1	..	.	1	.	1	..	1	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	1	2	..	6
4. Scarlet Fever	3	3	....	5	1	....	6	....	....	1	..	2	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	1	..	..	..	1	1	..	6
5. Whooping Cough	1	9	....	10	....	....	10	....	....	8	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	1	2	1	..	2	..	..	1	10
6. Diphtheria and Croup	1	1	....	2	..	....	2	....	....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2
7. Influenza	2	1	....	2	1	....	1	2	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	3
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	12	20	...	30	2	....	25	7	....	10	2	3	2	1	2	3	..	1	1	1	1	..	1	..	1	3	..	..	2	4	3	3	2	3	2	1	4	2	4	2	32
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	3	2	....	4	1	....	1	4	....	....	.	.	.	.	.	.	.	1	1	..	..	..	1	1	..	1	..	..	1	..	..	1	1	..	1	..	..	..	1	..	5
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	25	37	....	52	10	....	35	25	2	..	..	1	..	..	1	..	6	8	13	7	7	4	2	6	2	4	1	..	5	3	9	6	9	4	8	2	3	2	6	5	62
4. Syphilis	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	13	13	....	13	12	1	5	21	....	....	..	..	..	..	..	..	..	..	..	1	2	1	..	3	9	7	1	2	3	..	1	2	1	1	3	3	1	1	4	6	26
6. Rheumatism and Gout	2	1	....	3	....	....	2	1	....	....	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	1	..	3
7. Diabetes	2	3	....	2	3	....	....	5	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	3	1	..	..	..	1	..	..	1	..	..	..	..	3	..	5
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism	1	....	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Total	46	56	....	75	26	1	43	57	2	....	..	1	....	2	..	6	9	14	8	10	5	4	11	12	15	3	2	9	4	11	10	11	6	13	5	4	3	15	11	102
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	1	1	....	2	....	....	1	1	....	....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	2
2. Simple Meningitis	4	5	....	9	....	....	7	2	....	1	4	..	..	..	..	..	1	1	..	..	..	2	..	..	..	..	..	..	2	1	1	..	1	3	..	..	1	..	..	..	9
3. Epidemic Cerebro-spinal Meningitis	1	2	....	2	1	....	1	1	1	....	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..	3
4. Congestion and Hemorrhage of Brain	4	11	....	5	10	....	2	13	....	....	..	..	..	..	..	..	..	..	..	1	..	1	1	2	8	2	..	..	1	..	2	2	1	1	2	2	..	..	2	2	15
5. Softening of Brain	3	1	....	....	4	....	....	3	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	1	..	..	2	..	..	1	..	4
6. Paralysis without specific cause	10	5	....	9	6	....	1	14	....	....	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	7	4	1	1	1	1	3	2	..	3	2	..	..	1	1	15
7. Insanity	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	1	....	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1
9. Convulsions (not puerperal)	4	6	....	10	....	....	10	....	....	5	3	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	2	..	..	2	..	..	..	10
10. Other Nervous Diseases	2	1	....	2	1	....	1	2	....	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	..	1	..	..	..	..	3
Total	30	32	....	39	23	....	23	37	2	6	8	1	..	1	1	..	2	3	..	2	..	3	1	2	4	20	7	1	4	4	5	8	11	6	7	5	3	2	4	3	62

BRUCE.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis		3		2			2	1								1		1						1										2		1					3
2. Endocarditis																																									
3. Organic Heart Disease	26	22		20	28		10	36	2					1	1			1	1		2	1		6	7	11	7		4	3	3	3	3	7	3	4	5	9	2	2	48
4. Angina Pectoris	3			1	2		1	2																1		2				1				1					1		3
5. Arteries, Atheroma, Aneurism, etc.	2			2			1	1									1							1														1			2
6. Other Diseases of Circulatory System	2	3		4	1		2	3				1								1	2					1							1			2		1		1	5
Total	33	28		30	31		16	33	2			1		1	1	1	1	2	1	1	4	1		9	7	14	17		4	4	3	4	6	8	4	6	5	11	3	3	61
V. RESPIRATION.																																									
1. Acute Bronchitis	5	5		10			10			6	4																			1	1			2	1	2	1		2	10
2. Chronic Bronchitis	5	5		5	5			10																3	2	3	2		1	2		1		2		1	1	1		10
3. Broncho-pneumonia		2		1	1		1	1				1														1								2						2
4. Pneumonia	26	18		30	13	1	20	23	1	7	3				1				1	2	4	3	4	7	4	6	2	4	4	1	7	7	4	2	2	2	4	4	3	44
5. Pleurisy	5	6		7	4		4	7										1	1	2			1		2	2	2			2	3	1		1	1		2			1	11
6. Congestion of the Lungs	8	5		10	3		7	5	1	3	2							1	1			1		1	1		2		1	3	1	3					2	1		2	13
7. Asthma and Emphysema	1	1			2			1	1															1		1					1		1							2
8. Other Diseases of Respiratory System																																									
Total	50	42		63	28	1	42	47	3	16	9	1			1		1	2	2	3	2	5	4	9	12	11	12	2	6	12	7	12	7	8	7	4	9	7	5	8	92
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach	1			1				1																		1							1							1
2. Other Diseases of Stomach (cancer excepted)	3	3			6		1	5																	2	1	3				1	1	1			1	1	1		6
3. Infan. Diarr. and Cholera Infantum	5	2		7			7			6		1														1					1					4	1			7
4. Diarrhœa and Enteritis (not infantile)	3	2		2	3		2	3					2												1		2				1					2	1	1		5
5. Dysentery		1			1			1																		1											1			1
6. Hernia and Intestinal obstructions	2	4		3	3		2	3	1							1	1						1	1	1	2				1			1	1					1	2	6
7. Diseases of the Liver	7	5		7	5		4	8				1			1					1			1	5	1	2			1	1	4	1		1	2		1			12
8. Peritonitis (not puerperal)	2	7		9			5	4				1					1	2		1		1		2	1				1	1		2			1			1	1	2	9
9. Iliac abscess and appendicitis	3	1		4			2	2										2		1		1																			4
Total	26	25		33	18		23	27	1	6		3	2		1	1	2	4		3		2	1	8	6	7	5		2	4	4	7	4	1	3	2	9	6	4	5	51
VII. GENITO-URINARY SYSTEM.																																									
1. Acute Nephritis	2	1		1	2		2	1							1									2						1		1							3
2. Bright's Disease	8	5		6	7		4	9									1	1				1	2	4	4					1	1	2	1	1	2	1	2	1	1	13
3. Other Diseases of Kidneys and Adnexa	5	2		3	4			7														1	1		2	2	1		1		2		1		1		1		1	7
4. Vesical Calculi																																									
5. Diseases of the Bladder	1				1			1																			1			1										1
6. Diseases of the Male Genital Organs	1				1			1																	1										1					1
7 Metritis																																									
8. Other Diseases of the Uterus																																									
9. Ovarian Cysts and Ovarian Tumors																																									
10. Other Diseases of Female Genital Organs																																									
Total	17	8		10	15		6	19							1		1	1				1	2	4	7	6	2		1	3	3	3	2	1	4	1	3	2		2	25

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CAUSES OF DEATHS BY COUNTIES IN 1902.—CARLETON.—Population 97,873. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc'l Con.			Ages.																								Months.												Total.
										Under 5.																																						
	Male.	Female.	Not sta.	Canada.	Foreign.	Not. sta.	Single.	Married.	Not sta.	0.1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and ov.	Not given	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																													
1. Typhoid Fever	14	10	....	22	1	1	18	5	1	2	..	..	1	..	1	2	6	3	3	2	..	1	1	..	1	..	..	1	2	3	1	2	..	5	3	1	4	1	2	..	24
2. Smallpox	....	2	....	2	....	....	2	....	....	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	2
3. Measles	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Scarlet Fever	30	21	....	51	....	....	51	....	....	4	2	10	6	11	12	5	..	..	..	..	..	..	..	1	..	..	..	..	..	3	2	8	6	4	6	6	2	2	5	6	1	51
5. Whooping Cough	5	3	....	8	....	....	8	....	....	4	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	3	1	..	..	..	8
6. Diphtheria and Croup	32	26	....	58	....	....	57	1	....	6	9	11	9	5	11	4	1	..	1	..	1	..	..	..	..	..	..	..	..	9	2	5	2	..	3	4	1	4	9	6	13	58
7. Influenza	2	1	....	....	3	....	....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	1	..	..	..	1	..	..	..	1	..	..	3
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	83	63	....	141	4	1	136	8	2	17	14	21	17	16	24	12	7	3	4	2	1	1	2	..	1	..	3	1	15	9	15	11	4	16	13	5	13	17	14	14	146
II. OTHER GENERAL DISEASES.																																												
1. Pyaemia and Septicaemia	10	8	....	12	6	....	8	9	1	1	..	..	..	..	2	1	1	2	1	1	1	.	1	2	2	2	1	..	2	2	5	1	..	2	2	..	1	..	1	2	18
2. Malarial Fever	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	78	94	....	149	23	....	86	68	18	16	4	6	1	1	3	5	13	30	17	19	15	9	10	16	3	1	1	2	9	16	15	30	8	19	6	14	7	17	21	10	172
4. Syphilis	2	....	....	1	1	....	2	....	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	2
5. Cancer	20	33	....	44	7	2	6	44	3	..	..	..	..	..	..	..	..	1	..	..	2	7	3	8	20	9	3	..	..	3	4	3	9	3	6	3	4	6	3	4	5	53
6. Rheumatism and Gout	3	2	....	3	....	2	3	2	....	..	..	..	..	..	1	2	..	..	..	..	..	1	..	1	..	..	..	..	..	1	1	..	1	1	..	..	..	..	..	..	1	5
7. Diabetes	5	2	....	7	....	....	4	3	....	..	..	..	..	1	..	..	1	..	..	..	..	1	1	1	2	..	..	..	1	..	..	..	..	1	..	..	1	1	1	2	7
8. Other General Diseases	3	5	....	8	....	....	2	6	....	..	..	1	..	..	..	..	1	..	..	2	1	1	2	..	..	..	..	..	2	..	1	1	1	..	..	..	..	1	1	1	8
9. Alcoholism, Acute and Chronic	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Total	122	144	....	225	37	4	111	132	23	17	5	7	1	2	6	8	15	34	18	20	20	18	16	31	26	14	6	2	19	23	24	43	13	28	12	18	15	22	28	21	266
Local Diseases.																																												
III. NERVOUS SYSTEM.																																												
1. Encephalitis	6	3	....	9	....	....	6	1	2	2	2	..	1	..	1	..	..	..	1	..	..	..	..	..	..	1	..	1	..	..	2	..	1	..	2	1	1	..	..	2	9
2. Simple Meningitis	17	23	....	39	1	....	37	3	....	16	5	4	4	1	2	..	4	1	1	..	1	1	..	..	..	..	..	..	1	6	3	5	5	2	2	4	4	2	2	4	40
3. Epidemic Cerebro-spinal Meningitis	1	4	....	4	....	1	3	2	....	..	..	..	..	..	2	..	..	1	..	..	..	..	..	2	..	..	..	..	..	..	..	1	1	1	1	.	1	..	..	..	5
4. Congestion and Hemorrhage of Brain	14	17	....	18	12	1	2	22	7	1	..	..	..	..	..	..	..	..	..	..	..	2	1	5	7	7	6	2	4	3	..	3	2	5	2	2	2	1	4	3	31
5. Softening of the Brain	4	1	....	4	1	....	....	3	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	1	..	..	..	1	1	..	..	..	..	2	..	..	..	1	..	5
6. Paralysis without specified cause	19	12	..	16	13	2	4	19	8	..	..	..	..	..	..	..	..	..	1	..	..	..	2	4	5	12	6	1	4	3	..	3	2	2	1	2	4	4	3	3	31
7. Insanity	....	1	....	1	.	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1
8. Epilepsy	1	1	....	2	....	....	2	....	....	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	2
9. Convulsions (not puerperal)	36	29	....	64	1	....	64	1	....	59	1	1	2	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	6	3	6	5	9	8	4	7	1	3	8	5	65
10. Other Nervous Diseases	1	4	....	5	....	....	4	1	....	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	1	..	..	1	1	..	..	1	1	1	..	..	..	..	..	..	5
Total	99	95	...	162	28	4	123	52	19	78	8	5	7	1	6	2	5	2	3	..	1	5	5	13	16	20	13	4	17	21	10	18	20	21	13	17	11	11	18	17	194
IV. CIRCULATORY SYSTEM.																																												
1. Pericarditis	1	....	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1

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CARLETON.—*Continued.*

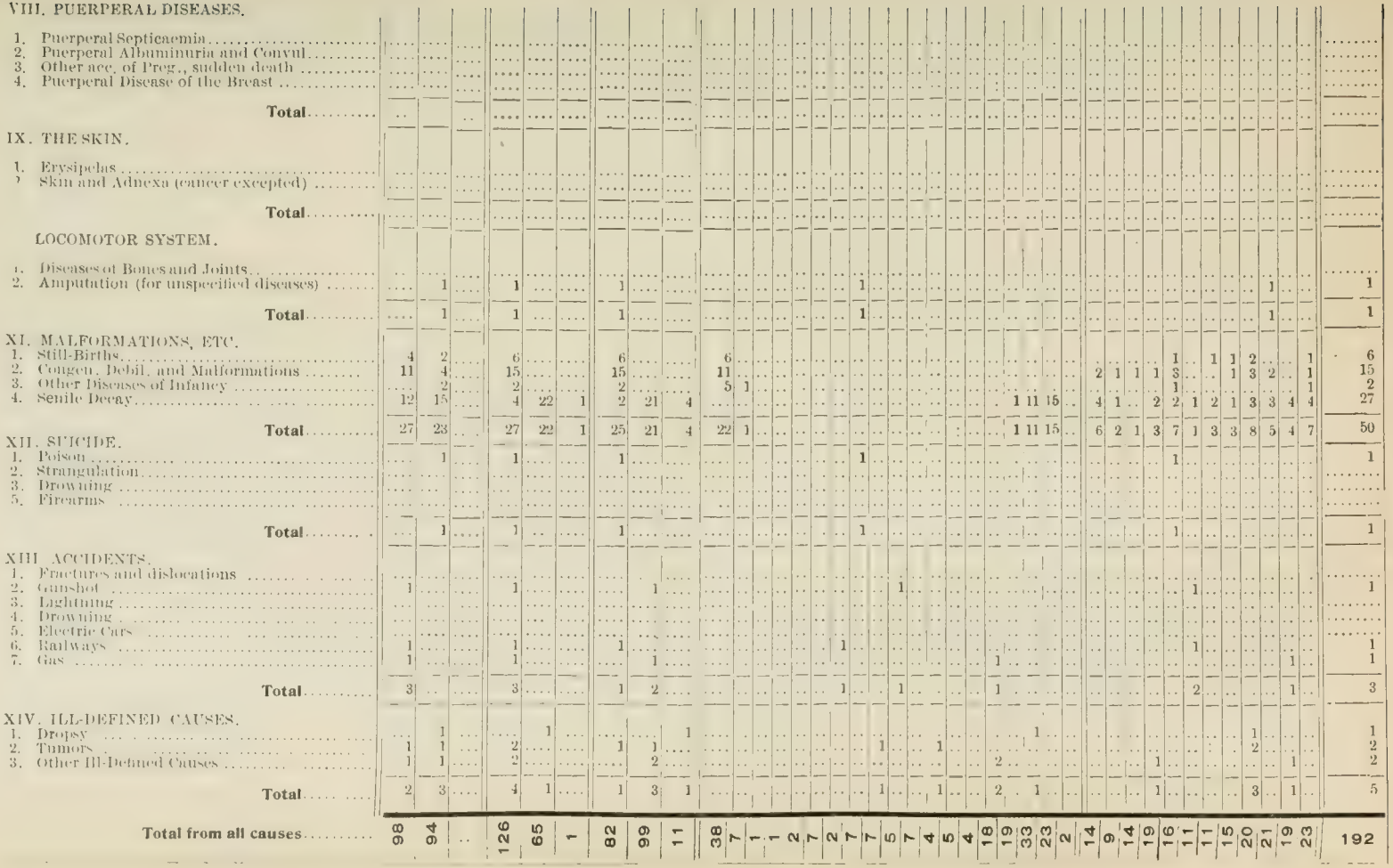
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	32	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	1	2	....	1	2	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	..	1	..	1	1	....	....	....	....	....	....	1	....	....	....	3
2. Skin and Adnexa (cancer excepted)	2	3	....	4	1	....	2	2	1	....	....	....	....	....	....	....	....	....	....	....	1	1	..	1	1	1	..	..	..	1	..	2	..	..	..	..	..	1	1	5
Total	3	5	....	5	3	...	3	4	1	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	2	1	1	..	1	1	1	..	2	..	..	..	1	..	1	1	8
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Diseases of Bones and Joints	4	1	....	5	....	....	4	1	....	....	....	....	....	....	....	1	1	..	..	1	..	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	2	2	..	..	5
3. Amputation (for unspecified Diseases)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	4	1	....	5	....	....	4	1	....	..	..	..	..	..	..	1	1	..	..	1	..	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	2	2	..	..	5
XI. MALFORMATIONS, ETC.																																									
1. Still Births	46	50	5	101	....	....	101	....	....	101	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	9	8	13	11	11	2	7	11	6	11	6	101
2. Congen. Debility and Malformations	113	92	1	205	....	1	206	....	....	206	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	19	22	13	19	19	16	20	14	11	16	17	206
3. Other Diseases of Infancy	7	5	....	12	....	....	12	....	....	6	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	..	1	..	1	3	..	..	2	..	12
4. Senile Decay	76	57	....	53	78	2	10	110	13	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	44	81	1	16	9	10	12	12	10	15	2	11	9	12	15	133
Total	242	204	6	371	78	3	329	110	13	312	5	1	..	..	..	..	..	..	..	..	..	..	..	..	7	44	81	1	43	39	42	38	43	40	34	32	36	26	41	38	452
XII. SUICIDE.																																									
1. Poison	1	2	....	2	1	....	....	3	....	....	....	....	....	....	....	....	....	....	1	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	..	3
2. Strangulation	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	..	..	1	....	....	....	....	....	....	....	....	....	....	....	....	1
3. Firearms	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	2	2	....	2	2	....	1	3	....	....	....	....	....	....	....	....	....	....	1	..	1	..	1	1	..	..	..	1	....	....	1	..	..	..	..	..	1	1	..	4
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	7	5	....	10	2	....	3	8	1	....	....	....	....	....	....	....	....	....	3	1	1	..	3	3	1	..	..	1	3	..	..	..	2	1	2	..	..	2	1	12
2. Gunshot	3	1	....	4	....	....	2	1	1	....	....	....	....	....	....	1	1	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	2	..	..	4
3. Lightning	4	1	....	2	3	....	2	3	....	1	1	1	1	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	1	2	..	..	..	..	5
4. Drowning	9	....	....	5	3	1	4	3	2	....	....	....	....	....	1	1	..	2	1	..	..	..	1	1	1	..	..	..	..	..	1	..	1	4	..	1	..	..	2	..	9
5. Electric Cars	1	1	....	2	....	....	1	1	....	....	....	....	....	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	2
6. Bicycles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Railways	4	....	....	2	2	....	2	2	....	....	....	....	....	....	....	....	1	1	....	....	....	1	....	....	1	....	....	....	1	..	1	....	....	....	....	....	....	1	1	..	4
8. Burns and Scalds	2	2	....	4	....	....	3	....	1	....	....	....	1	1	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	2	....	....	1	1	....	....	....	4
9. Homicide	2	....	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	1	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	....	....	1	....	....	....	2
Total	32	10	....	31	10	1	17	20	5	1	1	1	2	1	2	2	2	3	2	4	2	4	1	4	4	4	1	..	3	5	2	1	4	7	2	7	2	1	7	1	42
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy	6	5	....	8	2	1	1	8	2	....	....	....	....	....	....	1	....	....	....	....	....	1	..	1	3	5	....	....	..	2	1	..	3	..	1	1	1	..	1	1	11
2. Tumors	5	5	1	5	5	1	3	7	1	..	..	..	..	..	1	..	..	1	1	..	..	1	1	1	2	3	..	..	1	1	1	1	1	1	2	1	1	..	1	11
3. Other Ill-Defined Causes	4	5	....	6	....	3	2	5	2	..	1	..	..	..	..	..	..	1	..	..	..	2	1	1	3	..	..	..	1	2	..	1	1	1	..	1	1	..	..	1	9
Total	15	15	1	19	7	5	6	20	5	....	1	....	....	....	1	1	..	2	1	....	4	2	3	8	8	....	....	1	5	2	2	5	2	2	4	3	1	1	3	31
Total from all causes	824	776	8	1338	249	21	961	543	104	526	49	49	35	27	49	40	37	71	43	45	40	60	50	93	125	132	127	10	145	141	149	157	130	153	105	127	116	115	137	133	1608

CAUSES OF DEATHS BY COUNTIES IN 1902.—DUFFERIN.—POPULATION, 21,246. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social cond.			Ages.																					Months.												Total.
										Under 5.																																	
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44	45-49.	50 59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever																																									
2. Smallpox																																									
3. Measles																																									
4. Scarlet Fever	4	2		6			6						1	2	3																1		1				3		1	6
5. Whooping Cough																																									
6. Diphtheria and Croup	2	1		3			3			2	1																		1		1									1	3
7. Influenza																																									
8. Other Epidemic Diseases																																									
Total	6	3		9			9			2	1		1	2	3														1		2		1				3		2	9
II. OTHER GENERAL DISEASES.																																									
1. Pyæmia and Septicæmia	1			1			1				1																									1				1
2. Malarial Fever	1			1			1			1																											1				1
3. Tuberculosis and Scrofula	6	8		11	3		3	9	2								2	2	1	2	1	1	2		2	1				2	2	4		3		1		2		14
4. Syphilis																																									
5. Cancer	6	3		2	7		1	8											1					1	2	5			2	1		3				1		1	1	9
6. Rheumatism and Gout	1			1			1								1																								1	1
7. Diabetes	3			3			1	2			1								1					1								1						1	1	6
8. Other General Diseases		1		1			1										1																						1	1
9. Alcoholism, Acute and Chronic																																									
Total	18	12		20	10		9	19	2	1	2				1		3	2	2	3	1	1	2	2	4	6			2	3	2	8		3		3	1	1	4	3	30
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis																																									
2. Simple Meningitis	2	1		3			3			1					1		1												1								1			1	3
3. Epidemic Cerebro-spinal Meningitis																																									
4. Congestion and Hemorrage of Brain	3	3		3	3			6																3	1		2				1		1	1	1	1	1			6
5. Softening of Brain		1			1			1																			1								1					1
6. Paralysis without specified cause	2	6		5	3		1	7	1									1						1	2	3	1			1			1	1		1	2	1	1	8
7. Insanity																																									
8. Epilepsy																																									
9. Convulsions (not puerperal	2			2			2			2																						1				1				2
10. Other Nervous Diseases																																									
Total	9	11		13	7		5	14	1	3					1		1	1						1	3	3	4		1	1	1	1	1	2	3	3	2	2	1	2	20

COUNTY OF DUFFERIN.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Disease	6	8		5	9		1	12	1									1					1	2	5	4		1				1			1		1	4	5	2	14
4. Angina Pectoris		1		1				1																1								1									1
5. Arteries, Atheroma, Aneurism, etc																																									
6. Other Diseases of Circulatory System	1			1					1											1														1							1
Total	7	9		7	9		1	13	2									1		1			1	3	5	4		1				2		1	1		1	4	5	2	16
V. RESPIRATION.																																									
1. Acute Bronchitis	1	1		1	1		1	1		1																	1					1			1					2
2. Chronic Bronchitis		1		1				1																		1						1								1
3. Broncho-pneumonia	1	2		2	1		2	1		1	1													1					1									1		1	3
4. Pneumonia	11	9		16	4		11	9		3		1			1	1			1	2		3	1	3	1		2	1	2	1	4	3	1			3	1	2	1	2	20
5. Pleurisy	1			1				1																1									1								1
6. Congestion of the Lungs	1	1		1	1		2			1									1												1						1			2
7. Asthma and Emphysema		1			1			1																		1														1	1
8. Other Diseases of Respiratory System																																									
Total	15	15		22	8		16	14		6	1	1			1	1		2	2		3	1	5	1	2	3	1	3	1	5	4	3			4	1	4	1	4	30
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach	1				1			1																	1							1								1
2. Other Diseases of Stomach (cancer excepted)	1	3		4			1	2	1									1						1		2				1			1					2	4
3. Infant Diarrhœa and Cholera Infantum	4	2		6			6			4	2																							2	1		2	1		6
4. Diarrhœa and Enteritis (not infantile)		1		1			1								1																					1			1
5. Dysentery																																									
6. Hernia and Intestinal Obstructions	2			2			2													1	1											1						1		2
7. Other Diseases of the Intestines		2		1	1		1	1										1								1					1				1					2
8. Diseases of the Liver		2		2				2																	2					1					1				2
9. Peritonitis (not puerperal)		3		3			2	1									1				1	1								1					1		1		3
10. Iliac Abscess and Appendicitis																																									
Total	8	13		19	2		13	7	1	4	2				1		1	2		1	2	1		1	2	4				1	3		2	2	4	1	4	1	1	2	21
VII. GENITO-URINARY SYSTEM.																																									
1. Acute Nephritis		2			2			2																	2											1			1	2
2. Bright's Disease		1			1			1																			1											1			1
3. Other Diseases of Kidneys and Adnexa	3				3			3																	1	2			1	1			1							3
4. Vesical Calculi																																									
5. Diseases of the Bladder																																									
6. Diseases of the Male Genital Organs																																									
7. Metritis																																									
8. Other Diseases of the Uterus																																									
9. Ovarian Cysts and Ovarian Tumors																																									
10. Other Diseases of Female Genital Organs																																									
Total	3	3			6			6																	3	2	1		1	1			1			1			1	1	6



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CAUSES OF DEATHS BY COUNTIES IN 1902—ELGIN—(including municipalities of all classes)—POPULATION, 44,021

General Diseases.	Sex.			Nativity.			Soc'l con.			Under age.																										Months.												Total.
										Under 5.																																									
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.												
Number of Column.	1	2	3	1	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40												41
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	3	3	....	6	....	....	3	3	....	....	....	....	....	....	....	....	1	..	1	..	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	2										6
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
3. Measles	1	3	....	4	....	....	3	1	....	....	..	1	..	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	2	1	..	..	..	..	..	..	..										4
4. Scarlet Fever	3	1	....	4	....	....	4	....	....	..	..	..	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	3										4
5. Whooping Cough	4	....	..	4	..	....	4	....	....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	..	1	..	..										4
6. Diphtheria and Croup	2	2	..	4	..	....	4	....	....	2	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	..	..	..	..										4
7. Influenza	2	5	....	4	3	....	3	4	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	2	..	..	1	2	1	..	..	1	..	..	1	..	1										7
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	15	14	....	26	3	....	21	8	....	7	..	1	1	3	3	..	2	..	1	1	2	1	..	..	4	1	2	..	2	3	2	3	2	2	4	1	1	2	1	6										29
II. OTHER GENERAL DISEASES.																																																		
1. Pyaemia and Septicaemia	1	2	....	3	....	....	1	2	....	....	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..										3
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
3. Tuberculosis and Scrofula	15	20	....	29	6	....	14	20	1	1	..	..	..	..	..	..	2	4	3	7	4	3	1	5	5	..	..	..	3	1	3	3	2	4	5	4	3	2	..	5										35
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
5. Cancer	8	6	....	8	5	1	3	10	1	....	..	..	..	..	..	..	..	..	..	..	1	..	..	4	6	2	..	1	..	1	1	..	2	1	1	1	4	1	2	..										14
6. Rheumatism and Gout	3	2	....	4	1	....	1	3	1	....	..	..	..	..	..	1	..	..	..	..	..	1	1	1	..	1	..	..	..	1	..	1	2	1	..	..	..	..	..	..										5
7. Diabetes	2	1	....	2	1	....	2	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1										3
8. Other General Diseases	1	1	....	2	....	....	2	....	....	....	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..										2
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	30	32	....	48	13	1	23	36	3	1	..	1	..	..	1	1	2	5	3	7	6	4	4	10	12	4	..	1	3	4	5	6	6	6	7	6	8	3	3	5										62
Local Diseases.																																																		
III. NERVOUS SYSTEM.																																																		
1. Encephalitis	....	2	....	2	....	....	2	....	....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1										2
2. Simple Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
3. Epidemic Cerebro-spinal Meningitis	1	1	....	2	....	....	2	....	....	....	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..										2
4. Congestion and Hemorrhage of Brain	5	7	....	8	4	....	....	12	....	....	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	5	1	..	2	..	1	1	3	1	..	2	2	..	..	..										12
5. Softening of the Brain	1	2	....	....	3	....	1	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	1	..	..	..	..	1	..	1	..	..	..	..										3
6. Paralysis without specified cause	13	17	....	16	12	2	7	21	2	....	..	..	1	..	..	..	..	..	..	..	2	..	2	2	11	10	3	..	3	2	1	2	2	3	1	3	5	2	3	3										30
7. Insanity	1	1	....	2	....	....	1	1	....	....	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..										2
8. Epilepsy	1	....	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..										1
9. Convulsions (not puerperal)	11	2	....	13	....	....	13	....	....	11	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	1	1	1	2	1	2	1	1	..	..										13
10. Other Nervous Diseases	2	3	....	4	1	....	2	3	....	....	..	..	..	..	..	2	..	..	..	..	1	..	..	1	..	1	..	..	1	..	1	..	..	..	..	1	..	1	..	1	..										5
Total	35	35	....	48	20	2	28	39	3	13	..	1	2	..	2	2	..	..	..	2	3	..	5	3	15	18	4	..	9	4	4	4	7	8	3	8	10	4	4	5										70
IV. CIRCULATORY SYSTEM.																																																	
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....

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ELGIN.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	..	1	..	..	1	..	..	1	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1
2. Skin and Adnexa (cancer excepted)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	.	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
X. LOCOMOTOR SYSTEM																																									
1. Pott's Disease	.	1	..	1	..	..	1	..	..	..	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1
2. Diseases of the Bones and Joints	1	1	.	2	..	..	..	2	..	..	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	2
3. Amputation (for unspecified Dis.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	.	3	.	.	1	2	.	.	.	.	.	.	.	.	.	1	.	.	1	1	.	.	.	.	.	.	.	.	.	1	.	1	.	.	.	1	.	.	3
XI. MALFORMATIONS, ETC.																																								
1. Still Births	5	1	.	9	.	.	9	.	.	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	1	1	.	1	1	1	1	.	1	9
2. Congen. Debility and Malformations	9	10	..	19	.	.	19	.	.	19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	3	3	1	.	1	.	3	1	19
3. Other Diseases of Infancy	1	.	.	1	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1
4. Senile Decay	37	42	.	37	42	.	10	68	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	33	11	1	5	5	5	11	10	8	9	7	1	5	2	10	.	79
Total	52	56	.	66	42	.	39	68	1	28	1	.	.	.	.	.	.	.	.	.	.	.	.	.	4	33	11	1	10	7	6	13	14	11	11	8	4	7	5	12	.	108
XII. SUICIDE.																																								
1. Poison	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2. Strangulation	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3. Gas Poisoning	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4. Drowning	.	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1
5. Firearms	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1
Total	1	1	.	1	1	.	1	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	2
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	10	.	.	8	2	.	4	6	.	.	.	.	.	1	1	.	1	.	1	.	.	3	.	2	1	.	.	1	.	.	1	.	.	2	.	2	2	.	2	.	16
2. Gunshot	1	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
3. Drowning	1	2	.	3	.	.	3	.	.	.	1	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	3
4. Asphyxiated	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1
5. Railways	5	.	.	2	3	.	.	5	.	.	.	.	.	.	.	.	.	.	1	1	.	1	.	1	1	.	1	.	1	1	.	.	.	.	1	.	1	1	.	.	5
6. Burns and Scalds	.	1	.	1	.	.	1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
7. Homicide	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1
Total	19	3	.	16	6	.	10	12	.	.	1	.	1	.	3	1	2	1	.	3	1	.	3	1	3	1	1	.	2	2	.	1	.	1	1	.	3	3	2	1	32
XIV. ILL DEFINED CAUSES																																								
1. Dropsy	5	7	.	4	8	.	3	9	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	.	2	2	2	4	1	1	.	2	.	.	3	1	3	2	.	.	12
2. Tumors	1	1	.	1	1	.	1	1	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	.	.	1	.	.	1	.	.	.	1	.	.	.	.	.	.	.	2
3. Other Ill-Defined Causes	2	2	.	1	.	.	2	2	.	.	.	.	.	.	.	.	1	2	.	.	.	1	.	.	.	.	.	.	1	.	.	.	1	1	1	.	.	.	.	.	1
Total	8	10	..	9	9	.	6	12	..	..	..	..	..	..	..	..	1	2	2	1	1	1	2	2	3	2	1	3	..	2	..	2	4	2	3	2	..	..	0	18
Total from all causes	243	226	..	323	142	4	180	269	20	68	4	4	5	3	13	9	9	14	14	21	18	14	17	29	77	86	61	3	47	41	34	46	43	41	38	39	39	33	27	41	469

CAUSES OF DEATHS BY COUNTIES IN 1902.—ESSEX.—(Including municipalities of all classes).—POPULATION, 59,101.

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																					Months.												Total.
										Under 5.																																	
	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0-1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever	8	4	....	11	1	...	9	3	...	....	..	1	1	..	1	2	..	1	4	1	..	..	..	1	..	..	..	..	1	..	1	..	1	..	..	1	4	1	1	2	12
2. Smallpox	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
3. Measles	3	5	....	7	1	....	8	...	....	3	1	..	..	1	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	2	5	1	..	..	..	..	..	..	..	..	..	8
4. Scarlet Fever	2	2	...	1	..	....	4	...	....	..	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	1	4
5. Whooping Cough	8	5	....	13	..	....	13	..	....	8	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	2	..	4	2	..	1	1	13
6. Diphtheria and Croup	21	9	....	30	3	....	33	..	....	3	4	3	4	5	11	2	1	..	..	..	..	..	..	..	..	..	..	..	..	7	2	2	..	1	2	2	..	3	2	8	4	33
7. Influenza	2	3	....	3	2	....	1	4	..	....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	1	..	..	2	1	..	..	..	..	..	..	..	..	..	1	5
8. Other Epidemic Diseases	3	..	....	2	1	...	2	..	1	....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	3
Total	50	28	....	70	8	....	70	7	1	14	12	8	6	6	13	5	1	2	4	1	1	..	..	1	1	2	1	..	11	6	11	2	5	4	2	6	9	3	10	9	78
II. OTHER GENERAL DISEASES																																									
1. Pyæmia and Septicæmia	1	6	....	6	2	2	3	5	2	..	..	..	..	..	..	..	2	..	1	1	..	1	2	1	..	2	..	..	..	1	1	..	1	1	2	..	3	1	..	..	10
2. Malarial Fever	1	1	....	1	....	1	1	1	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	2
3. Tuberculosis and Scrofula	31	33	....	51	13	....	25	37	2	3	..	..	1	..	1	..	6	10	10	4	4	7	5	7	3	2	1	..	4	6	5	8	6	5	7	3	3	2	7	8	64
4. Syphilis	..	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	12	17	..	17	12	..	3	26	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	9	6	6	3	..	3	1	5	1	3	1	..	4	6	1	2	2	29
6. Rheumatism and Gout	1	2	..	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	3
7. Diabetes	2	1	...	3	....	..	3	....	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	3
8. Other General Diseases	2	1	..	2	1	..	..	3	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	3
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Total	53	61	...	83	28	3	35	75	4	3	..	..	1	..	1	..	9	12	11	7	5	10	10	18	13	8	6	..	7	9	11	13	10	8	10	8	13	4	10	11	114
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	1	1	....	2	....	..	2	....	....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	2
2. Simple Meningitis	10	9	....	17	2	..	16	3	..	5	4	..	1	2	3	..	1	..	..	1	..	1	..	1	..	..	1	..	..	1	3	3	1	3	2	4	1	1	..	..	19
3. Epidemic Cerebro-spinal Meningitis	....	1	....	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
4. Congestion and Hemorrhage of Brain	8	10	..	10	8	..	7	9	2	1	1	..	..	..	..	..	..	..	..	..	1	3	..	4	4	2	2	..	3	1	2	3	1	..	1	2	1	2	1	1	18
5. Softening of the Brain	2	2	...	2	2	....	..	3	1	..	..	..	..	..	..	..	..	..	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	4
6. Paralysis without specified cause	1	1	..	5	3	..	..	7	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	3	2	..	1	1	1	2	..	1	..	1	..	..	1	..	..	8
7. Insanity	....	3	....	1	2	...	1	2	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	1	..	..	..	..	..	..	1	1	..	3
8. Epilepsy	1	..	..	..	1	....	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
9. Convulsions (not puerperal)	3	2	...	5	..	....	5	..	....	3	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	1	1	..	..	..	..	5
10. Other Nervous Diseases	...	1	..	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Total	29	33	....	43	19	...	32	26	4	10	6	..	2	2	4	..	1	1	..	2	4	2	2	6	6	8	6	..	6	4	7	9	4	4	5	9	4	6	3	1	62

ESSEX.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																										
1 Pericarditis	....	1	..	....	1	...	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
2 Endocarditis	2	1	...	3	....	....	2	1	....	....	....	....	....	....	....	1	..	1	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	1	....	3
3. Organic Heart Disease	26	25	...	36	15	..	12	38	1	....	1	....	....	1	2	1	1	..	2	5	4	1	13	14	4	2	..	3	1	7	8	3	3	7	2	4	2	7	4	51
4 Angina Pectoris	6	2	...	3	4	1	...	7	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2	2	2	....	....	....	1	1	....	....	....	2	..	2	1	1	8
5 Arteries, Atheroma, Aneurism, etc	1	....	....	..	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
6 Other Diseases of Circulatory System	...	1	...	.	1	...	....	1	...	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
Total	35	30	..	42	22	1	15	48	2	....	1	....	....	2	3	1	3	1	2	5	4	2	14	17	6	4	..	4	1	8	9	3	3	9	5	4	4	10	5	65
V. RESPIRATION.																																									
1 Acute Bronchitis	8	7	..	13	2	...	13	2	....	9	2	1	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	3	1	2	2	2	..	1	1	1	1	1	15
2 Chronic Bronchitis	5	2	....	4	3	...	....	7	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	3	2	..	3	..	1	1	....	....	....	....	1	1	....	....	7
3 Broncho-pneumonia	6	4	..	9	1	..	10	....	....	5	1	3	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	4	..	1	1	..	1	1	....	....	1	..	10
4. Pneumonia	19	31	..	63	16	1	45	35	...	16	3	8	4	..	5	2	3	1	1	1	3	1	3	5	12	8	4	..	8	13	13	8	11	7	5	2	3	..	3	7	89
5 Pleurisy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Congestion of the Lungs	2	....	....	1	..	1	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	2
7 Asthma and Emphysema	2	1	..	2	1	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....	....	1	....	....	1	....	....	1	....	3
8 Other Disease of Respiratory System	2	1	..	1	2	..	2	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	1	3
Total	74	46	..	93	25	2	72	48	..	30	7	12	5	..	6	2	4	1	1	2	3	2	3	7	14	13	8	..	12	21	16	13	16	9	6	4	7	2	5	9	120
VI. DIGESTIVE SYSTEM.																																									
1 Ulcer of the Stomach	1	1	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	1	....	....	....	....	....	1	....	....	2
2 Other Diseases of Stomach (cancer excepted)	1	2	....	3	....	....	1	2	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	3
3 Infantile Diarrhœa and Cholera Infantum	15	8	....	23	....	....	23	....	....	15	7	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	3	..	3	7	6	2	1	..	23
4 Diarrhœa and Enteritis (not infantile)	1	6	....	3	1	....	3	4	....	....	....	....	2	....	1	....	....	....	....	....	....	1	..	1	..	2	....	....	1	....	....	2	1	1	....	2	....	....	....	....	7
5 Dysentery	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
6. Hernia and Intestinal obstructions	2	3	....	5	....	....	2	3	....	....	....	....	....	1	....	1	....	1	....	1	....	....	1	....	....	1	....	....	....	2	....	....	1	1	1	....	....	....	....	....	5
7. Other Diseases of the Intestines	3	1	....	4	....	....	2	2	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	1	1	..	4
8 Diseases of the Liver	2	2	....	3	1	....	2	2	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	1	....	1	....	1	....	....	1	1	....	....	1	....	....	....	....	4
9. Peritonitis (not puerperal)	..	6	....	3	3	....	2	4	....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	1	1	2	....	....	4
10 Iliac Abscess and Appendicitis	3	2	....	4	1	....	3	2	....	....	....	....	....	1	....	1	....	....	....	1	....	1	....	....	1	....	....	....	1	....	1	....	1	2	....	....	....	....	....	....	6
Total	29	31	....	50	10	....	38	22	....	15	7	2	2	2	2	2	2	2	2	2	2	4	1	6	3	2	..	3	6	1	4	8	4	6	9	11	5	1	2	60
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	3	4	....	5	1	1	4	2	1	1	....	....	....	1	1	1	....	....	....	....	....	1	....	....	1	..	1	....	1	..	....	....	....	....	1	..	2	1	1	1	7
2. Bright's Disease	6	5	....	7	4	....	2	7	2	....	....	....	1	....	....	....	....	....	....	....	2	....	....	4	..	4	....	....	1	1	1	1	2	....	1	....	..	1	3	..	11
3. Other Diseases of the Kidneys and Adnexa	3	....	....	1	2	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	2	....	....	....	....	1	....	....	1	1	....	....	....	....	....	3
4. Vesical Calculi	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Diseases of the Bladder	3	....	....	....	3	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	1	....	....	1	....	....	....	....	1	....	....	3
6. Metritis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Other Diseases of the Uterus	....	2	..	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	..	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	2
Total	15	11	....	15	10	1	7	16	3	1	....	....	1	1	1	1	....	....	....	3	1	1	5	1	9	..	1	3	2	2	1	2	2	3	..	2	3	4	2	26
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia	....	2	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	2

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CAUSES OF DEATHS BY COUNTIES IN 1902.—FRONTENAC.—(Including municipalities of all classes.)—POPULATION, 44,979.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																													Months.												Total.
										Under 5.																																											
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3	4.	5 9.	10 14.	15-19	20-24	25-29.	30-34.	35-39.	40 44.	45-49.	50 59.	60-69.	70 79.	80 and over.	Not given.	Jan.	Feb.	March	April	May	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES																																																		
1. Typhoid Fever	3	2		5			3	2									1		1				2		1					1				1	1		2			5										
2. Smallpox																																																		
3. Measles	1	2		3			1	2											1		1		1						1	1				1						3										
4. Scarlet Fever	1			1			1						1																					1						1										
5. Whooping Cough		6		6			6			5		1																	1		1					1		2		6										
6. Diphtheria and Croup		9		9			9			2	1		1		4			1											2	1	1						3	1	1	9										
7. Influenza																																																		
8. Other Epidemic Diseases																																																		
Total	5	19		24			26	1		7	1	1	2		4		1	3	1	1		1	2		1				3	2	4			1	3	1	2	3	2	3	24										
II. OTHER GENERAL DISEASES.																																																		
1. Pyaemia and Septicaemia	2	2		3	1		1	3			1								1	1			1									2		1		1			4										
2. Malarial Fever																																																		
3. Tuberculosis and Scrofula	33	40		60	10	3	45	22	6	5	1	1			2	8	11	7	13	7	4	2	6	1	1		1		5	10	5	6	5	9	4	8	6	8	2	5	73										
4. Syphilis																																																		
5. Cancer	11	10		15	5	1	2	17	2														3	4	8	3	3		2	1	2	1		4	4	3	1		3		21										
6. Rheumatism and Gout	2			2			1	1															1		1						1			1						2										
7. Diabetes		3		2	1			2	1												1				1		1						1		2					3										
8. Other General Diseases		1			1			1																		1			1											1										
9. Alcoholism, Acute and Chronic																																																		
Total	38	56		82	18	4	49	46	9	5	2	1			2	8	11	7	14	9	4	5	12	13	6	3	2		7	12	8	7	8	14	9	13	7	9	5	5	104										
Local Diseases.																																																		
III. NERVOUS SYSTEM.																																																		
1. Encephalitis	2	1		3			3			1	1	1																	1								2			3										
2. Simple Meningitis	3	1		4			4			1	1			2																		1	1		1			1		4										
3. Epidemic Cerebro-spinal Meningitis	1			1				1																	1				1											1										
4. Congestion and Hemorrhage of Brain	11	6		5	12		6	8	3								1		1		1	1	1		7	3	2					1	3	2	4	4	3			17										
5. Softening of the Brain	1	2		2	1		1	2		1														1	1									1	1			1		3										
6. Paralysis without specified cause	17	16		15	18		6	23	4															3	12	14	4			4	3	5		3	2	2	1	4	4	5	33										
7 Insanity	1	1		1	1		1	1									1								1							1					1			2										
8. Epilepsy	2	1		3			2	1														1	1		1									1	1			1		3										
9. Convulsions (not puerperal)	6	4		10			10			7	2					1															3	1	1			2	1	1	1		10										
10. Other Nervous Diseases	2			2				2																		1						1				1				2										
Total	46	32		46	32		33	38	7	10	4	1		2		1	2		1		2	1	3	6	22	17	6		1	5	6	9	3	8	7	9	9	10	6	5	78										
IV. CIRCULATORY SYSTEM.																																																		
1. Pericarditis																																																		

| | | |

FRONTENAC.—*Concluded.*

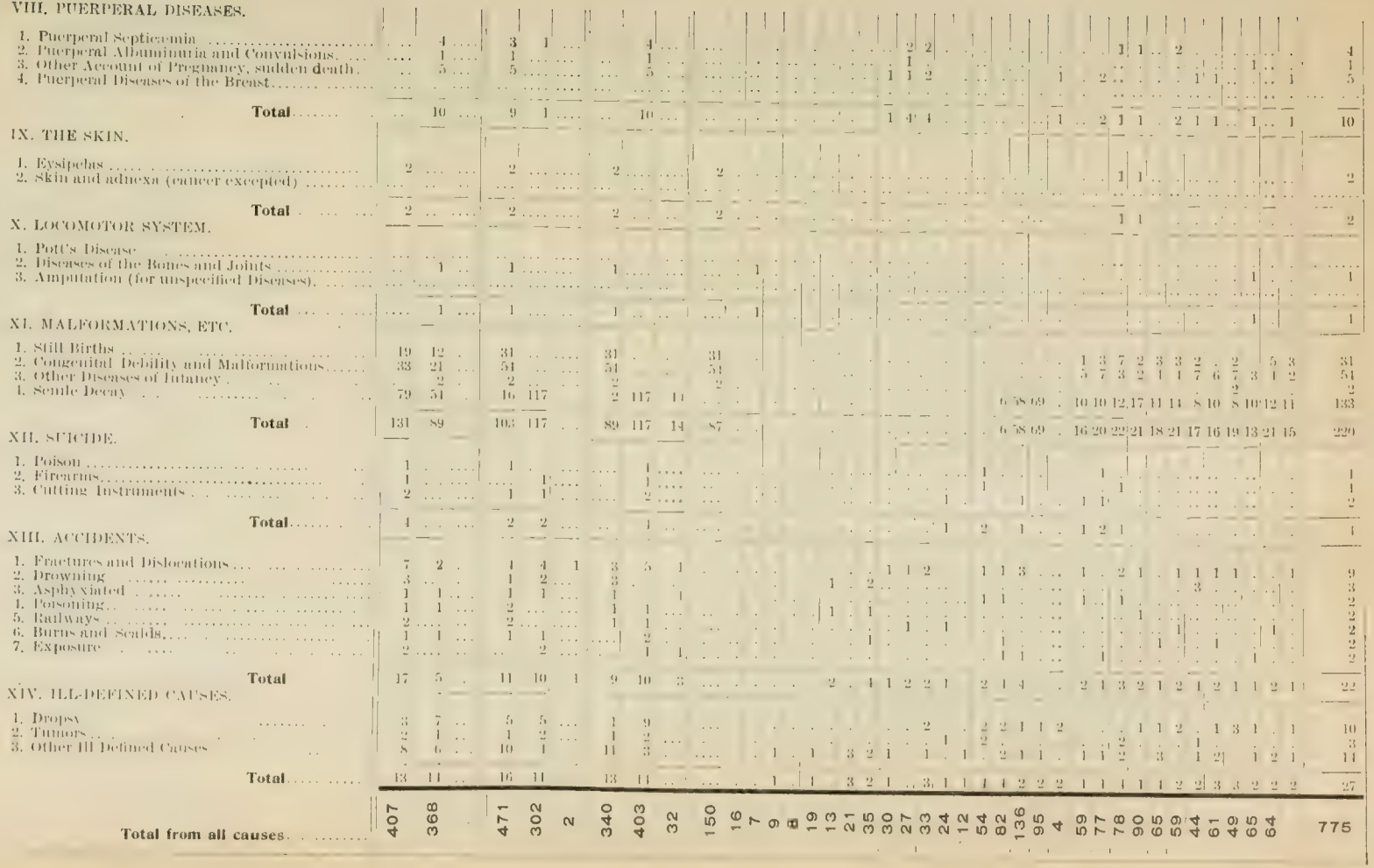
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	4	1	....	2	3	....	1	3	1	....	....	....	....	....	....	....	....	1	....	1	....	....	....	1	1	....	1	....	2	....	....	1	1	1	....	....	....	....	....	....	5
2. Skin and Adnexa (cancer excepted)	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1
Total	5	1	....	2	4	....	2	3	1	....	....	....	....	....	....	....	....	1	....	1	....	....	....	1	1	1	1	....	2	....	....	1	1	1	....	....	....	....	....	1	6
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Disease of Bones and Joints	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Amputation (for unspecified diseases)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
XI. MALFORMATIONS, ETC.																																								
1. Still Births	8	9	2	19	....	....	19	....	....	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	2	2	1	1	4	2	....	2	1	19
2. Congen. Debility and Malformation	14	16	1	31	....	....	31	....	....	31	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2	3	4	3	2	3	3	3	2	2	3	31
3. Other Diseases of Infancy	1	1	....	2	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	2
4. Senile Decay	36	54	....	24	64	2	9	70	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8	35	47	....	9	7	8	5	15	10	5	3	3	8	11	6	90
Total	59	80	3	76	64	2	61	70	11	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8	35	47	....	13	9	13	11	21	12	9	10	8	10	16	10	142
XII. SUICIDE.																																								
1. Poison	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Strangulation	2	1	....	3	....	....	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	3
3. Gas Poisoning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Drowning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	2	1	....	3	....	....	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	3
XIII. ACCIDENT.																																								
1. Fractures and Dislocations	15	5	....	15	3	2	7	11	2	....	....	1	....	....	1	....	....	1	4	2	1	....	1	2	3	2	2	....	1	2	3	2	....	1	2	....	4	2	2	1	20
2. Gunshot	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1
3. Lightning	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
4. Drowning	5	3	....	7	1	....	6	2	....	1	....	....	....	....	1	1	2	....	....	2	....	....	....	1	....	....	....	....	....	....	1	....	....	....	4	1	1	....	....	1	8
5. Electric Cars	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Railways	3	....	....	3	....	....	1	1	1	....	....	....	....	....	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	....	3
7. Burns and Scalds	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Strangulation	....	1	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
Total	24	10	....	28	4	2	17	14	3	2	1	....	2	3	2	2	5	4	2	....	1	3	3	2	2	....	1	3	4	3	....	6	4	1	5	3	2	2	34
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	6	10	....	8	6	2	2	11	3	....	....	....	....	....	....	1	....	1	....	....	2	....	....	2	3	3	4	....	1	1	2	....	....	2	3	2	2	2	....	1	16
2. Tumors	1	3	....	2	1	1	1	2	1	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	2	....	....	....	1	....	1	....	....	....	....	....	....	....	1	1	4
3. Other Ill-Defined Causes	6	3	....	7	2	....	3	6	....	....	1	....	....	....	....	....	....	1	1	....	2	1	2	....	....	1	....	....	2	....	2	....	....	....	....	2	1	1	....	9
Total	13	16	....	17	9	3	6	19	4	....	1	....	....	....	....	1	....	3	1	....	2	2	2	4	5	3	5	....	4	1	5	....	....	2	3	4	3	3	2	2	29
Total from all causes	292	318	3	416	179	18	280	296	37	103	15	6	2	2	10	15	18	27	26	31	21	21	21	43	83	92	74	3	58	46	80	40	52	56	51	55	50	52	46	47	613

CAUSES OF DEATHS BY COUNTIES IN 1902.—GREY—(Including municipalities of all classes.)—POPULATION, 70,285.

General Diseases.	Sex.			Nativity.			Soc. con.			Ages.																						Months.												Totals.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.																
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	.1	.2	.3	.4															January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1 Typhoid Fever	3	2	....	5	....	...	3	2	....	....	....	....	....	....	....	....	....	1	3	....	....	1	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	1	....	....	1	5
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	4	1	....	5	....	....	5	....	....	2	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	2	2	1	....	....	....	....	....	....	....	....	....	5
4. Scarlet Fever	2	3	....	4	1	....	5	....	....	....	2	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	2	1	....	....	....	....	....	....	....	....	5
5. Whooping Cough	3	3	....	6	....	....	6	....	....	3	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	1	2	....	....	6
6. Diphtheria and Croup	9	9	....	17	1	...	17	1	..	3	1	1	3	3	3	1	1	....	1	....	....	....	....	1	....	....	....	....	....	2	8	3	2	1	1	....	....	1	....	....	....	18
7. Influenza	2	5	....	5	2	....	2	4	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	2	2	1	....	1	2	1	....	3	....	....	....	....	....	....	....	....	7
8. Other Epidemic Diseases	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
Total	24	23	....	43	4	....	39	7	1	8	5	3	5	4	5	2	2	2	4	....	....	1	....	1	2	2	1	....	2	8	13	7	6	1	4	..	2	3	..	1	47
II. OTHER GENERAL DISEASES.																																										
1. Pyæmia and Septicæmia	2	2	....	2	2	....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	1	..	1	....	....	1	..	1	....	....	....	....	....	....	....	....	....	2	4
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	29	35	....	56	8	....	32	29	3	1	....	....	....	1	..	3	8	12	12	9	6	3	3	4	2	....	....	3	8	4	11	6	6	9	2	1	7	4	3	64
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	22	17	....	19	20	...	5	34	..	....	....	....	....	....	1	..	..	1	..	1	..	4	1	4	9	16	2	..	7	3	3	2	4	..	4	..	3	3	5	5	39
6. Rheumatism and Gout	3	3	....	2	4	...	1	5	..	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	2	1	....	....	2	....	....	....	1	..	1	..	2	....	....	....	....	6
7. Diabetes	....	2	....	1	1	....	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	2
8. Other General Diseases	....	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	56	60	...	80	36	....	40	73	3	1	....	....	....	1	1	..	5	9	13	13	9	12	4	9	17	19	3	..	12	12	8	14	12	7	14	2	6	10	9	10	116
Local Diseases.																																										
III. NERVOUS SYSTEM.																																										
1. Encephalitis	2	3	....	4	1	...	4	1	....	1	1	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	1	1	..	5
2. Simple Meningitis	7	5	....	12	....	....	11	1	....	3	1	....	..	3	3	....	....	1	....	....	....	....	....	1	....	....	....	....	1	2	..	1	2	....	....	....	....	1	5	..	12
3. Epidemic Cerebro-spinal Meningitis	1	1	....	2	....	....	2	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	2
4. Congestion and Hemorrhage of Brain	9	8	...	6	11	....	3	14	....	1	..	....	....	....	1	..	1	....	....	1	....	....	....	2	5	4	2	..	2	4	1	1	..	2	..	..	2	..	1	4	17
5. Softening of Brain	2	1	....	1	2	....	..	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....	....	....	....	....	1	1	....	....	1	3
6. Paralysis without specified cause	14	6	....	6	14	...	3	15	2	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	6	8	4	..	3	..	1	2	1	..	2	3	1	2	4	1	20
7. Insanity	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
8. Epilepsy	1	2	...	3	....	....	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	....	....	....	....	....	....	1	....	....	....	1	..	1	....	....	....	3
9. Convulsions (not puerperal)	11	7	...	17	1	....	18	..	....	12	3	..	1	..	1	1	....	....	....	....	....	....	1	....	....	2	....	....	3	..	3	3	2	..	2	1	..	2	1	1	18
10. Other Nervous Diseases	2	1	....	1	2	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....	3
Total	49	35	....	53	31	....	44	38	2	17	6	..	1	3	6	2	1	4	..	1	2	..	1	5	14	14	7	..	11	6	8	9	5	2	7	5	5	6	12	8	84

GREY.—*Continued.*

Number of column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	1			1			1										1																						1	1
2. Endocarditis	3	2		5			3	2						2			1	1					1							1			1			2	1			5
3. Organic Heart Disease	20	35		34	21		16	31	5					1	2	2	4	2	2	2	3	1	11	11	10	1		3	5	2	9	6	8	4	5	7	2	3	3	55
4. Angina Pectoris	1			1				1																1													1			1
5. Arteries, Atheroma, Aneurism, etc.		1			1			1																	1												1			1
6. Other Diseases of Circulatory System	4	8		8	3	1	4	9							1	1	2				3		1	2	2				1	2	3	1	2		1		1	1	12
Total	29	46		49	25	1	24	46	5					3	3	3	7	3	2	5	3	2	16	13	13	1		3	6	5	12	7	11	4	4	10	5	3	5	75
V. RESPIRATION.																																								
1. Acute Bronchitis	7	8		11	4		11	4	1	10			1												2	2			2		1	3		5		1	1	1	1	15
2. Chronic Bronchitis	3	3		2	1		2	3	1					1	1									1		2	1						1					4	1	6
3. Broncho Pneumonia	3	5		6	2		4	3	1	1	2							1						2	2					2	3	1				1			1	8
4. Pneumonia	25	32		36	21		27	29		11	5			1	1	1	3	2	1	3	1	1	5	10	8	5		4	12	6	10	3	1	1	2	3	1	4	7	57
5. Pleurisy	2				2			2																1	1			1									1			2
6. Congestion of the Lungs	3	2		2	3		2	3				1				1								1	2				1	2									2	5
7. Asthma and Emphysema	1	1		1	1		1	1							1										1			1											2
8. Other Diseases of Respiratory System																																							
Total	44	51		58	37		47	45	3	22	3	3	1	2	3	5	4	2	1	3	1	1	5	15	16	7	1	6	15	8	16	7	5	6	2	5	3	9	13	95
VI. DIGESTIVE SYSTEM.																																							
1. Ulcer of the Stomach		1		1				1																1											1				1
2. Other Diseases of Stomach (cancer excepted)	5	2		1	6		2	5													1		2	3		1				1	1	2			1	1	1		7
3. Infantum Diarrhœa and Cholera Infantum	11	4		14	1		15			13	1		1															2	1		2	3			1	1	2		15
4. Diarrhœa and Enteritis (not infantile)	1	3		3	1		1	3									1		1						2			1		1	1		1						4
5. Dysentery																																							
6. Hernia and Intestinal obstructions	3	4		3	4		1	6									1				1		2	1	2				1		2	1			1		1		7
7. Other Diseases of the Intestines	1			1			1											1																					1
8. Diseases of the Liver	3	2			5		1	4																1		2	2						1				2	2	5
9. Peritonitis (not puerperal)	2	9		8	3		6	5			1						1	1	3	1	2		1	1					1	2	2		1	2		1	1		11
10. Iliac Abscess and Appendicitis	1	5		7	2		3	6								1	1		1		2	1	1	1					1			1		1	2	3		1	9
Total	30	30		38	22		30	30		13	2		1		1	1	3	3	4	1	4	1	8	5	4	5		5	4	3	6	5	6	4	5	9	4	4	5	60
VII. GENITO URINARY SYSTEM.																																							
1. Acute Nephritis		2		2				2											1				1												2				2
2. Bright's Disease	6	1		3	4		2	5													1		1	2	3								1	2	1		1	2	7
3. Other Diseases of Kidneys and Adnexa	1	1		1	1			1	1										1					1					1								1	2	2
4. Vesical Calculi																																							
5. Diseases of the Bladder	1				1			1																1													1		1
6. Diseases of the Male Genital Organs																																							
7. Metritis																																							
8. Other Diseases of the Uterus																																							
9. Ovarian Cysts and Ovarian Tumors																																							
Total	8	4		6	6		2	9	1										2		1		2	2	2	3			1		1			1	4	1		3	2	12



CAUSES OF DEATHS BY COUNTIES IN 1902.—HALDIMAND.—(Including municipalities of all classes).—POPULATION, 21,445.

General Diseases.	Sex.			Nativity.			Soc. con.			Age.																						Months.												Totals.
										Under 5.																																		
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever	2	1	....	3	..	....	2	1	..	...	....	....	....	....	....	....	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	....	3
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	4	1	..	5	....	....	5	....	....	1	..	2	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2	1	....	....	....	....	....	....	....	5
4. Scarlet Fever	1	2	....	3	....	....	3	....	....	1	..	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	....	....	....	....	....	....	1	..	....	3
5. Whooping Cough	3	....	....	3	....	....	3	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	....	3
6. Diphtheria and Croup	1	2	....	3	....	....	3	....	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	1	3
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	11	6	....	17	..	..	16	1	..	6	3	..	4	..	2	1	..	..	..	1	..	..	..	..	..	..	..	..	2	1	5	1	1	..	3	1	2	..	1	17
II. OTHER GENERAL DISEASES																																								
1. Pyæmia and Septicæmia	..	2	....	2	..	....	..	2	..	....	....	....	....	....	....	....	....	....	1	..	1	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	2
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	9	13	..	18	3	1	8	14	..	....	....	....	....	....	....	2	1	1	2	2	3	3	1	2	1	1	....	....	3	2	1	3	..	4	1	1	3	..	2	2	22
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	4	9	..	10	3	..	..	15	..	1	....	....	....	....	....	....	....	....	1	....	....	....	1	3	3	5	1	....	1	..	3	1	1	3	..	3	..	1	....	....	13
6. Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Diabetes	1	..	..	..	1	..	....	1	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	..	1	....	....	....	....	....	....	....	....	....	....	1
8. Other General Diseases	..	1	..	1	..	..	..	1	..	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	..	....	....	....	....	....	....	....	....	....	....	1
9. Alcoholism, Acute and Chronic	2	....	....	2	....	....	..	2	..	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	1
Total	16	25	....	33	7	1	8	33	....	....	....	....	....	....	....	2	2	4	3	2	4	4	3	5	4	7	1	..	6	1	4	4	1	7	1	4	3	1	4	2	41
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1
2. Simple Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Epidemic Cerebro-spinal Meningitis	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1
4. Congestion and Hemorrhage of Brain	2	4	....	3	3	....	....	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	1	1	1	2	....	....	1	....	1	....	....	1	....	....	....	6
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Paralysis without specified cause	6	4	....	4	3	..	2	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	3	4	..	2	1	1	1	....	1	1	1	....	....	1	1	10
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Convulsions (not puerperal)	3	2	....	5	....	....	5	....	....	4	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....	2	5
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	13	10	....	13	10	....	8	15	....	5	..	....	....	....	....	1	....	....	....	....	....	....	....	2	4	4	6	1	5	2	1	3	..	2	3	1	1	1	1	3	23
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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HALDIMAND.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	1			1				1																																	
2. Skin and Adnexa (cancer excepted)																										1											1				1
Total	1			1				1																		1											1				1
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease																																								
2. Diseases of Bones and Joints	1			1				1														1											1								1
3. Amputation (for unspecified Diseases)																																								
Total	1			1				1														1											1								1
XI. MALFORMATIONS, ETC.																																								
1. Still-births	5	1		6			6			6																			2	2						1	1			6
2. Congen. Debility and Malformations	5	8		13			13			13																			2		3	1	1			1	2			13
3. Other Diseases of Infancy																																								
4. Senile Decay	27	15		1	36		3	36	1																15	25			2		3	1	6	1	4	6	1	1	3	6	10
Total	37	22		23	36		22	36	1	19															15	25			6	2	6	8	7	1	4	8	4	1	3	6	59
XII. SUICIDE.																																								
1. Poison																																								
2. Strangulation		1		1				1														1															1				1
3. Gas Poisoning																																								
4. Firearms																																								
5. Cutting Instruments	1	1		1				1													1										1									1
Total	1			2				2													1	1									1						1			2
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	2			2			1	1							1		1																			1	1				2
2. Gunshot																																									
3. Drowning	3	1		2	2		3	1						1				2		1											2				1	1				4
4. Bicycles																																									
5. Railways	3			3			1	2									1		1		1								1			1	1							3
6. Burns and Scalds																																									
7. Strangulation	1			1				1		1																															1
Total	9	1		8	2		5	5		1			1	1	1		3	1	1	1					1				3	1	1		1	2	1				10
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	6	3		5	4		2	7															2	3	3	1		1			1	4	1		2					9
2. Tumors		2		1	1			2													1				1											1				2
3. Other Ill-defined Causes	4			3	1		1	2	1	1															1	2					1		1			1				4
Total	10	5		9	6		3	11	1	1										1			2	4	6	1		1		1	1	5	1	1	3		2			15
Total from all causes	139	104		157	84	2	86	155	2	41	6	4	1	8	4	6	6	8	4	9	11	6	18	23	45	37	8	32	16	30	26	19	21	14	24	15	11	15	20	243

CAUSES OF DEATHS BY COUNTIES IN 1902--HALIBURTON—Population, 6,624. (Including Municipalities of all classes.)

General Diseases.	Sex.			Nativity			Social condition.			Ages.																								Months.												Total.
										Under 5.					5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60–69	70–79	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.		
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.																													
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever																																										
2. Smallpox																																										
3. Measles																																										
4. Scarlet Fever																																										
5. Whooping Cough	1	1		2			2			2																													2		2
6. Diphtheria and Croup	4	2		6			6					1		1		3	1																		1	3	1	1			6
7. Influenza	1				1			1																	1					1											1
8. Other Epidemic Diseases																																										
Total	6	3		8	1		8	1		2		1		1		3	1								1					1				1	3	1	3			9
II. OTHER GENERAL DISEASES.																																									
1. Pyæmia and Septicæmia																																									
2. Malarial Fever																																									
3. Tuberculosis and Scrofula	2	1		3			3			1								1			1							1					1				1			3
4. Syphilis																																										
5. Cancer																																										
6. Rheumatism and Gout																																										
7. Diabetes	1			1				1																1														1		1
8. Other General Diseases																																										
9. Alcoholism, Acute and Chronic																																										
Total	3	1		4			3	1		1								1			1			1				1					1				1	1		4
Local Diseases.																																									
III. NERVOUS DISEASES																																										
1. Encephalitis																																										
2. Simple Meningitis																																										
3. Epidemic Cerebro-spinal Meningitis																																										
4. Congestion & Hemorrhage of Brain	1			1				1																	1					1										1
5. Softening of Brain																																										
6. Paralysis without specified cause	1				1			1																	1					1										1
7. Insanity																																										
8. Epilepsy																																										
9. Convulsions (not puerperal)	3	1		4			4			4																															4
10. Other Nervous Diseases																																										
Total	5	1		5	1		4	2		4														2				1	2		1			1			1		6

HALIBURTON.– *Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1 Pericarditis																																									
2 Endocarditis																																								
3. Organic Heart Diseases		2	4		3	3		2	4								1	1						2	2				1	2	1					1	1			6
4 Angina Pectoris																																									
5. Arteries, Atheroma, Anemism, etc																																									
6 Other Diseases of Circulatory System																																									
Total		2	4		3	3		2	4								1	1						2	2				1	2	1					1	1			6
V. RESPIRATION.																																								
1 Acute Bronchitis			1		1			1		1																									1					1
2. Chronic Bronchitis																																								
3 Broncho pneumonia																																								
4. Pneumonia		3	2		5			1	1	2							1							1		1			1		1	1			1			1		5
5. Pleurisy																																								
6 Congestion of the Lungs		3			3			2	1										1	1					1				1				1					1		3
7 Asthma and Emphysema																																								
8. Other Diseases of Respiratory System																																								
Total		6	3		9			7	2	3							1		1	1				1	1	1			2		1	1	1		1	1		2		9
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2 Other Diseases of Stomach (cancer excepted)		1				1			1																1							1							1
3. Infan. Diarr. & Cholera Infantum		1	1		2			2		2																									1				1	2
4. Diarrhœa & Enteritis (not infantile)																																								
5. Dysentery																																								
6 Hernia & Intestinal obstructions		1				1			1														1														1			1
7 Diseases of the Liver																																								
8 Peritonitis (not puerperal)			1		1			1									1													1									1
9 Iliac abscess and appendicitis		1			1			1									1												1										1
Total		4	2		4	2		4	2	2							2						1		1				1	1		1			1		1		6
VII GENITO URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2 Bright's Disease			1		1			1																	1															1
3. Other Diseases of Kidneys & Adnexa																																								
4. Vesical Calculi																																								
5 Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8 Other Diseases of the Uterus																																								
9 Ovarian Cysts & Ovarian Tumors																																								
10 Other Diseases of Female Genital Organs																																								
Total			1			1			1																	1				1										1

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CAUSES OF DEATHS BY COUNTIES.—HALTON.—(Including municipalities of all classes.)—POPULATION, 19,740.

General Diseases.	Sex.			Nativity.			Social Con.			Ages.																								Months.												Total.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and Over.	Not Given.	January	February	March	April	May	June	July	August	September	October	November	December							
	Male.	Female.	Not Stated.	Canada.	Foreign.	Not Stated.	Single.	Married.	Not Stated.	.01	.1	.2	.3	.4																														
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41						
COMMUNICABLE DISEASES.																																														
1. Typhoid Fever	1			1			1												1																								1	1
2. Smallpox																																														
3. Measles																																														
4. Scarlet Fever																																														
5. Whooping Cough		2		2			2			1	1																			1							1					2
6. Diphtheria and Croup		2		2			1	1		1											1																1		1			2
7. Influenza		2		1	1			2																		1	1		1			1											2
8. Other Epidemic Diseases																																														
Total	1	6		6	1		4	3		2	1								1		1					1	1		1		1		1				1	1		2	7
II. OTHER GENERAL DISEASES.																																														
1. Pyaemia and Septicaemia	3	2		3	2		2	3		1		1												3					1			1	1	1	1							5
2. Malarial Fever																																														
3. Tuberculosis and Scrofula	8	14		19	3		8	14		1						1	1	1	4	2	1	5		2	3	1			2		1	2	4	3	1	4	2	2	1		22
4. Syphilis																																														
5. Cancer	3	7		9	1		2	6	2													2	1	3	2	2				2		2			3	1			2	10
6. Rheumatism and Gout	1			1				1														1							1												1
7. Diabetes		2		2			1	1																2											1			1			2
8. Other General Diseases	1	1		2			1	1										1							1					1		1								2
9. Alcoholism, Acute and Chronic																																														
Total	16	26		36	6		14	26	2	2		1				1	1	2	4	2	1	7	2	10	6	3			4		4	3	8	4	3	7	3	3	1	2	42
Local Diseases.																																														
III. NERVOUS DISEASES																																														
1. Encephalitis		1		1			1				1																				1											1
2. Simple Meningitis	1	2		3			3			1		1									1									2								1			3
3. Epidemic Cerebro-Spinal Meningitis		1			1			1												1																1					1
4. Congestion and Hemorrhage of the Brain	9	6		10	5		3	11	1											1		1	2	5	5	1		1	4	1	1	2		1	1	1	3			15
5. Softening of the Brain	1			1			1																		1																1
6. Paralysis without specified cause	6	6		10	2		3	9						1											5	3	2	1	1		4		1		2			1	2	1	12
7. Insanity	1			1			1																1						1												1
8. Epilepsy																																														
9. Convulsions (not puerperal)	1	3		3	1		3	1		1			1	1							1									1	1				1				1		4
10. Other Nervous Diseases	1			1				1																	1															1	1
Total	20	19		30	9		15	23	1	2	1	1	2	1					2	2	2	2	5	11	5	2	1	3	5	9	1	3		4	2	1	4	5	2	39
IV. CIRCULATORY SYSTEM.																																														
1. Pericarditis																																														

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HALTON.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of the Bones and Joints		1		1			1										1															1									1
3. Amputation (for unspecified Diseases)																																								
Total		1		1			1										1															1									1
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	3	4		7			7			7																				1	2	2	1		1					7
2. Congen. Debility and Malformations	7	8		15			15			15																			1	1	1	1	1	4	1	1	2	2		15
3. Other Diseases of Infancy		1		1			1			1																										1				1
4. Senile Decay	16	12		8	20		6	22																	10	18		2	3	2		2	5	2	3	3		3	3		28
Total	26	25		31	20		29	22		23															10	18		3	4	4	2	5	7	6	3	6	1	5	5		51
XII. SUICIDE.																																								
1. Poison	1				1		1										1												1											1
2. Strangulation																																								
3. Gas Poisoning																																								
4. Drowning																																								
5. Firearms	1				1			1																1														1		1
Total	2				2		1	1									1							1					1									1		2
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	2	2		1	1	2		3	1															3			1				3		1						4
2. Gunshot																																								
3. Lightning																																								
4. Drowning	2			1	1		1	1										1			1											1					1			2
5. Electric Cars																																								
6. Bicycles																																								
7. Railways	1			1			1											1														1							1
8. Burns and Scalds	2			2				2																	2													2	2
9. Homicide																																								
10. Suffocation	1			1			1			1																									1					1
Total	8	2		6	2	2	3	6	1	1							1	1			1			3		2	1				3	2	1		1		1	2	10
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy		2		2			2																	2								1						1	2
2. Tumors		2		1	1			2																		1	1		1			1								2
3. Other Ill-Defined Causes		1		1				1																1									1							1
4. Lockjaw	1			1			1										1																							1
Total	1	5		5	1		3	3									1							3		1	1		1			1	2			1		1		6
Total from all causes	112	126		169	66	3	96	132	10	39	5	3	2	1	2	3	3	5	7	7	6	12	11	34	24	42	29	3	15	15	26	21	32	22	16	18	17	17	18	21	238

CAUSES OF DEATHS BY COUNTIES IN 1902.—HASTINGS.—(Including municipalities of all classes.)—POPULATION, 59,883.

General Diseases.	Sex.			Nativity.			Soc. con.			Ages.																								Months.												Total.
										Under 5.						5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79	80 & over.	Not given.																	
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.																	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																													
1. Typhoid Fever	6	3	....	8	1	....	6	3	....	....	....	....	....	....	....	....	1	2	1	1	1	1	..	1	....	....	....	....	1	1	....	....	1	....	....	....	1	2	3	..	9
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	9	2	....	11	....	....	10	1	....	3	1	1	1	1	1	1	....	....	1	....	....	1	....	....	....	....	....	....	2	3	4	....	1	1	....	....	....	....	....	....	11
4. Scarlet Fever	1	5	....	6	....	....	6	....	....	....	2	....	....	1	2	1	....	....	....	....	....	1	....	....	....	....	....	....	..	1	3	....	....	....	....	....	1	1	....	....	6
5. Whooping Cough	....	5	....	5	....	....	5	....	....	2	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	2	2	....	5
6. Diphtheria and Croup	6	8	....	14	....	....	13	1	....	....	2	2	1	1	5	1	1	....	....	1	....	....	....	....	....	....	....	....	1	1	3	1	....	2	....	....	1	2	1	2	14
7. Influenza	2	2	....	3	1	....	2	2	....	....	....	....	1	..	1	....	....	....	....	....	....	....	....	....	1	..	1	....	1	1	1	..	1	....	....	....	....	....	....	....	4
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	24	25	....	47	2	....	42	7	....	5	6	4	3	3	10	3	2	2	2	2	1	2	1	..	2	..	1	....	5	7	11	1	3	3	1	..	3	7	6	2	49
II. OTHER GENERAL DISEASES.																																												
1. Pyaemia and Septicaemia	3	2	....	3	2	....	2	3	....	....	....	....	....	....	....	1	..	2	....	....	....	....	....	1	..	1	....	....	..	1	....	....	....	....	....	....	1	....	....	2	1	5
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	35	36	....	66	4	1	33	38	....	....	3	1	....	....	2	2	8	10	11	7	10	3	..	8	3	2	..	1	3	6	9	5	8	6	5	7	8	5	4	5	71
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	9	15	....	16	7	1	5	19	....	....	....	....	....	....	....	....	....	....	1	1	4	..	2	3	8	4	1	..	3	3	2	2	..	3	1	..	4	2	3	1	24
6. Rheumatism and Gout	3	1	....	3	1	....	1	3	....	....	....	....	....	....	1	....	....	....	....	....	1	1	..	1	....	1	....	....	....	....	1	1	....	....	....	....	....	....	1	....	4
7. Diabetes	5	4	....	5	4	....	2	7	....	....	....	....	....	....	....	....	1	1	1	....	....	....	..	4	1	..	1	....	....	..	2	2	....	....	....	1	..	1	1	1	1	9
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Alcoholism, Acute and Chronic	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1
Total	56	58	....	91	18	2	44	70	....	....	3	1	....	2	4	9	13	13	8	14	3	3	18	12	8	2	1	6	12	14	8	9	9	7	8	13	8	11	9	114
Local Diseases.																																											
III. NERVOUS SYSTEM.																																											
1. Encephalitis	3	4	....	7	....	....	7	....	....	....	2	....	..	2	2	1	....	....	....	....	....	....	....	....	....	....	....	....	2	..	1	....	2	..	1	....	....	1	....	....	7
2. Simple Meningitis	3	4	....	7	....	....	7	....	....	....	1	....	4	..	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	2	....	....	2	....	....	....	....	....	....	7
3. Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Congestion and Hemorrhage of Brain	4	10	....	12	2	....	10	4	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	7	3	1	1	....	....	....	1	3	1	..	1	2	..	4	..	2	14
5. Softening of the Brain	1	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1
6. Paralysis without specified cause	10	12	....	13	8	1	11	21	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	6	9	4	....	1	2	1	4	..	2	1	1	2	1	4	3	22
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Epilepsy	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
9. Convulsions (not puerperal)	5	11	....	16	....	....	16	....	....	9	4	2	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	3	....	4	2	..	1	2	1	..	....	16
10. Other Nervous Diseases	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
Total	28	41	....	58	10	1	42	27	....	9	7	2	..	5	2	4	1	....	....	3	..	1	1	9	10	10	5	..	4	6	7	10	3	8	4	3	3	8	5	6	69

HASTINGS—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis	1				1			1																		1					1									1
3. Organic Heart Diseases	22	18		30	10		11	27	2						3			1	1	3	3	1	1	1	15	5	2	1	6	1	2	3	3	1	2	3	5	4	3	4	40
4. Angina Pectoris	1				1			1																			1			1										1
5. Arteries, Atheroma, Aneurism, etc																																								
6. Other Diseases of Circulatory System	2	4		6			2	4											1	1	1		1		2					1	1		1	1		1	1			
Total	26	22		36	12		13	33	2						3			1	2	4	4	1	2	4	17	6	3	1	6	3	3	4	4	5	2	4	6	4	3	4	48
V. RESPIRATION.																																								
1. Acute Bronchitis	3	5		7	1		6	2		2	2			1	1					1						1			1		1	1		1			1	1	2	8
2. Chronic Bronchitis		3		3				3																		2	1		1		1								1	3
3. Broncho-pneumonia	2			2			1	1				1															1								1	1				2
4. Pneumonia	28	30		47	10	1	28	30		12	8				3	1	2	1		2	1	2	1	3	6	9	6	1	9	1	8	8	7	3	5	5	3	2	2	4	58
5. Pleurisy	1	2		1	2		1	2								1									1	1					1		1				1			3
6. Congestion of the lungs	4	1		4	1		2	3		1									1		1		1			1				2						2			5
7. Asthma and Emphysema	4	1		3	2		3	2								1	1									1	2		1			2	1				1			5
8. Other Diseases of Respiratory System																																								
Total	42	42		67	16	1	41	43		15	10	1		1	4	3	3	1	1	3	2	2	2	3	7	15	10	1	11	5	13	9	10	6	5	4	6	5	3	7	84
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	1			1				1												1					1				2		1									1
2. Other Diseases of Stomach (cancer excepted)	6	2		5	3		2	6							1					1				1	3	2			2			2	3		1				8
3. Infantile Diarrhœa and Cholera Infantum	4	5		9			9			5	3			1																					5	1	2	1		9
4. Diarrhœa and Enteritis (not infantile)	7	2		5	4		1	8												1			1	2		3	2				3	1			1		2		1	9
5. Dysentery																																								
6. Hernia and Intestinal obstructions	5			4	1		1	4												1				1	1	2				1		1				1	1			5
7. Other Diseases of the Intestines	2	1		2	1			3													1			1		1				1								1	3
8. Diseases of the Liver	2	5		5	2		4	3										1	1	2				1	1	1				1		1	1		1	1		1	1	7
9. Peritonitis (not puerperal)	3	5		6	2		5	3							2	1	1	1			1		1				1		1	1	1				1	1		3		8
10. Iliac Abscess and Appendicitis	3	1		4			2	2							1		1								1	1			1		1								3	4
Total	33	21		41	13		24	30		5	3			1	4	1	3	2	4	1	2		4	6	5	10	3		3	3	7	4	4	2	3	8	5	3	6	6	54
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	2	2		4			1	3							1									1		1	1		1					1	1			1		4
2. Bright's Disease	10	2		5	6	1	4	8											1	1	2	3		1	4							3		2		3			1	2	12
3. Other Diseases of Kidneys and Adnexa	6	3		7	2		3	6									1				1			4	1	1	1			1	1	2	1			2	1		1		9
4. Vesical Calculi																																								
5. Diseases of the Bladder	2				2			2																			2									1			1	2
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors		2		2			1	1												1		1							1							1				2
10. Other Diseases of fem. Genital Organs																																								
Total	20	9		18	10	1	9	20						1		1		1		1		1	3	3	7	1	3	8		3	2	2	4		3	1	6	2	1	2	3	29

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CAUSES OF DEATHS BY COUNTIES IN 1902.—HURON (Including municipalities of all classes.)—POPULATION, 62,438.

General Diseases.	Sex.			Nativity.			Soc'l Con.			Ages.																						Months.												Total.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given																
	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0.1	1.	2.	3.	4.															Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever	3	2	1	5	2	..	2	3	1	..	..	..	..	..	..	..	..	1	2	..	1	..	..	2	..	..	..	..	..	..	..	1	..	..	1	..	1	1	..	1	1	6
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	..	1	..	1	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	..	..	2
4. Scarlet Fever	2	..	..	2	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
5. Whooping Cough	1	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	1	..	..	..	1	1	1	4	12
6. Diphtheria	8	4	..	10	2	..	12	..	..	2	1	..	1	..	5	2	1	..	..	..	..	..	..	..	2	1	1	..	..	2	..	..	..	..	..	..	..	..	..	..	2	4
7. Influenza	1	3	..	..	4	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	15	10	1	19	7	..	18	7	1	3	3	..	1	..	6	2	1	1	2	..	1	..	..	2	2	1	1	..	1	5	1	1	1	1	1	1	2	3	2	7	26
II. OTHER GENERAL DISEASES.																																									
1. Pyæmia and Septicæmia	3	4	..	5	2	..	3	4	..	..	1	1	..	..	..	..	1	..	..	1	..	..	..	2	1	..	..	..	2	1	..	1	1	..	..	..	..	..	2	..	7
2. Malarial Fever	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
3. Tuberculosis and Scrofula	33	31	..	56	8	..	22	39	3	1	1	..	..	..	..	1	2	7	9	8	10	5	6	8	3	3	..	..	..	8	4	6	5	6	3	5	3	8	9	7	64
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	15	13	..	18	10	..	3	23	2	..	..	..	..	..	..	..	..	..	..	..	2	1	3	10	6	3	3	..	3	2	2	1	3	3	1	3	2	2	4	2	28
6. Rheumatism and Gout	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	1	..	..	..	2	1	..	..	..	1	..	..	..	..	..	..	4
7. Diabetes	..	4	..	1	3	..	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	51	53	..	81	23	..	30	69	5	1	2	1	..	..	..	2	3	7	9	10	10	7	7	13	16	10	3	3	5	13	7	8	9	9	5	8	5	10	15	10	104
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	3	2	..	5	..	..	5	..	..	2	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	1	..	..	..	1	5
2. Simple Meningitis	7	3	..	9	..	1	8	1	1	4	..	..	1	..	3	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	1	1	1	1	1	1	1	2	..	..	10
3. Epidemic Cerebro-spinal Meningitis	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
4. Congestion and Hemorrhage of Brain	5	10	..	5	9	1	2	13	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	9	3	..	3	2	..	1	1	3	..	1	3	..	..	1	15
5. Softening of the Brain	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
6. Paralysis without specified cause	10	8	..	7	10	1	4	13	1	..	..	1	1	..	1	..	..	..	..	..	..	1	1	2	5	3	2	1	3	..	3	3	3	1	1	..	..	1	2	1	18
7. Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
9. Convulsions (not puerperal)	4	4	1	9	..	..	9	..	..	6	..	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..	1	..	2	1	2	9
10. Other Nervous Diseases	3	2	..	3	2	..	1	4	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2	1	..	..	..	2	..	1	..	..	..	..	..	..	2	..	5
Total	34	30	1	41	21	3	30	33	2	12	2	2	2	1	5	1	2	..	..	..	2	2	2	6	7	13	5	1	9	3	7	6	7	5	3	4	4	5	5	7	65
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1

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HURON.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas	1	1	..	1	1	..	..	2	..	..																2	..	..	..	..	1	..	..	..	1	..	..	..	..	..	2
2. Diseases of Skin (Cancer excepted)	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Total	2	1	..	2	1	..	1	2	..	..																2	..	..	..	..	1	..	..	..	1	1	..	..	..	..	3
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	..	..	..	..	..	..	..	..	..	..																..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Diseases of Bones and Joints	..	2	..	1	1	..	..	2	..	..											1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	2
3. Amputation (unspecified disease)	..	..	..	..	..	..	..	..	..	..																..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	2	..	1	1	..	..	2	..	..											1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	2
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	17	12	..	29	..	..	29	..	..	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3	4	2	2	2	2	4	1	3	1	2	29
2. Congen. Debil. and Malformations	20	15	1	36	..	..	36	..	..	36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3	5	2	1	1	1	4	5	5	2	2	36
3. Other Diseases of Infancy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1. Senile Decay	62	48	..	6	102	2	9	99	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	42	62	1	5	8	16	5	7	4	11	11	12	12	9	10	110
Total	99	75	1	71	102	2	74	99	2	65	..	..	..	..	..	..	..	..	..	..	..	..	..	5	42	62	1	13	14	25	9	10	7	14	19	18	20	12	14	175
XII. SUICIDE.																																								
1. Poison	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
2. Strangulation	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
3. Gas Poisoning	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Drowning	5	..	..	3	2	..	2	3	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	3	..	1	..	1	1	..	1	1	..	..	..	1	..	..	..	5
5. Firearms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	7	..	..	4	3	..	2	4	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	4	..	1	..	..	1	2	..	1	1	..	1	..	1	..	..	7
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	2	1	..	2	3	1	1	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	3	..	..	..	1	..	1	..	1	3	..	..	..	..	6
2. Gunshot	4	..	..	4	..	..	2	5	..	..	..	..	..	..	..	..	1	..	..	2	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	2	..	4
3. Lightning	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Drowning	5	..	..	1	1	..	3	..	2	..	..	..	..	..	..	1	2	..	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..	1	1	2	..	..	..	..	5
5. Electric Cars	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Burns and Scalds	..	2	..	2	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2
7. Homicide	1	3	..	5	2	..	3	1	..	..	..	1	..	..	1	..	1	..	1	..	1	..	1	1	..	1	..	..	..	..	1	2	..	..	1	..	..	2	1	..	7
Total	15	9	..	17	6	1	11	11	2	..	2	1	..	..	1	2	4	..	..	5	..	2	1	1	2	3	..	1	..	3	2	1	1	5	5	1	2	3	..	24
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	..	2	..	1	1	..	..	2	..	..															2	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2
2. Tumors	2	2	..	2	2	..	..	4	..	..											1	..	..	1	..	2	..	..	..	..	1	..	1	..	..	1	1	..	..	4
3. Other Ill-Defined Causes	2	1	..	2	3	1	1	5	..	..							1	..	..	1	..	..	1	3	..	..	..	..	2	..	2	1	..	..	..	..	..	..	..	1	6
Total	4	8	..	5	6	1	1	11	..	..	..	..	..	..	..	..	1	..	..	1	1	..	1	5	2	..	..	..	2	..	2	3	..	2	..	1	1	..	..	1	12
Total from all causes	330	290	3	371	243	9	225	381	17	98	14	5	3	1	12	7	18	22	22	19	28	20	25	54	81	104	84	6	52	54	70	53	45	43	39	53	51	53	51	59	623

CAUSES OF DEATHS BY COUNTIES IN 1902—KENT—(including municipalities of all classes)—POPULATION, 57,996

General Diseases.	Sex.			Nativity.			Soc'l con.			Under age.																													Months.												Total.
										Under 5.																																										
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29	30-34	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																																
1. Typhoid Fever	7	5	..	10	2	...	6	5	1	...	..	..	1	1	1	.	2	2	.	3	1	.	.	.	1	..	.	.	.	2	..	2	.	.	.	1	2	4	1	..	12
2. Smallpox	1	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
3. Measles	1	2	...	3	...	...	3	...	...	1	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	3
4. Scarlet Fever	1	2	..	3	...	...	3	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	3
5. Whooping Cough	5	6	...	9	...	...	9	...	...	5	3	.	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	1	...	1	2	...	9
6. Diphtheria and Croup	3	5	...	7	1	...	8	...	...	...	1	1	1	...	4	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	1	...	1	1	...	...	2	8
7. Influenza	3	1	...	2	2	...	1	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	1	1	1	1	...	...	...	...	...	...	...	4
8. Other Epidemic Diseases	1	...	...	1	...	...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Total	20	21	...	36	5	...	32	8	1	9	4	1	5	2	7	1	2	2	.	3	1	.	.	.	3	1	.	..	5	6	3	5	1	3	2	2	3	6	1	4	41
II. OTHER GENERAL DISEASES.																																																
1. Pyaemia and Septicaemia	3	6	.	6	3	....	3	5	1	...	1	...	...	...	...	...	2	...	1	2	1	..	1	..	1	...	...	...	...	...	1	1	.	1	2	1	..	1	1	1	9
2. Malarial Fever	3	...	...	2	1	....	2	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	1	...	...	...	1	3
3. Tuberculosis and Scrofula	36	28	...	46	18	....	23	41	1	2	...	..	1	...	.	1	4	9	9	5	3	8	1	10	8	.	1	2	6	6	13	4	8	5	5	3	2	2	5	5	64
4. Syphilis	....	1	...	1	...	....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
5. Cancer	8	12	...	16	4	....	....	20	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	5	5	4	2	...	2	1	1	3	2	2	2	1	3	1	2	.	20
6. Rheumatism and Gout	3	1	...	3	1	...	2	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	2	...	...	...	...	2	...	...	1	...	...	...	...	...	1	4
7. Diabetes	1	1	...	2	...	...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Alcoholism, Acute and Chronic	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Total	55	49	....	76	28	....	31	70	3	2	2	.	1	..	3	1	6	9	10	7	4	10	5	16	15	8	3	2	8	7	17	9	12	9	9	6	6	4	8	9	104
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	3	3	....	6	...	....	5	1	....	2	...	1	..	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	2	...	...	1	1	...	...	2	6
2. Simple Meningitis	2	6	....	7	1	....	6	2	....	3	...	1	1	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	3	...	1	1	1	...	...	1	..	8
3. Epidemic Cerebro-spinal Meningitis	3	1	...	4	...	...	3	1	...	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	4
4. Congestion and Hemorrhage of Brain	5	8	....	6	7	....	2	11	....	....	...	...	...	...	1	...	...	...	...	...	...	...	...	3	3	5	1	..	3	2	...	1	1	...	...	1	1	1	2	1	13
5. Softening of the Brain	3	...	...	2	1	..	....	2	1	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	1	...	...	...	1	1	...	...	3
6. Paralysis without specified cause	10	12	....	12	10	....	2	20	....	....	...	...	...	...	...	...	...	...	...	...	...	2	1	1	7	8	3	..	1	3	...	3	1	..	5	1	2	2	...	4	22
7. Insanity	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Epilepsy	1	...	...	1	...	....	1	...	....	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
9. Convulsions (not puerperal)	7	15	....	22	...	...	19	3	....	16	1	...	...	1	...	...	1	...	1	1	1	...	...	...	...	...	...	...	1	...	3	2	2	2	4	2	1	...	3	2	22
10. Other Nervous Diseases	2	1	...	3	...	...	....	2	1	....	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	1	3
Total	86	46	....	63	19	....	38	42	2	22	1	3	1	1	1	1	1	1	5	2	2	2	1	5	15	14	4	.	8	5	4	9	7	3	11	7	6	5	6	11	82
IV. CIRCULATORY SYSTEM.																																																
1. Pericarditis	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1

KENT.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
2. Endocarditis																																									
3. Organic Heart Diseases	28	20		31	13	4	9	34	5						2			2	1		4	2	8	11	15			3	5	2	5	1	6	4	4	5	2	6	5	3	48
4. Angina Pectoris	6	2		5	3			8																1	2	5				1		5	2							8
5. Arteries, Atheroma, Aneurism, etc	3	2		4	1		1	4							1							1		1		2			1	2			1							5
6. Other Diseases of Circulatory System	1	3		3	1		1	2	1													1	1		2					1					1		2			4
Total	39	27		44	18	4	11	49	6						3			2	1		4	4	9	13	19	8		3	6	7	5	6	9	4	4	7	2	8	5	3	66
V. RESPIRATION.																																									
1. Acute Bronchitis	5	5		8	2		8	2		6					1									1		1	1		2		1			1	1	1	1	1	1	10
2. Chronic Bronchitis	7	4		7	4			9	2										1					4	6				5	1	1	1				1	2			11
3. Broncho-pneumonia	1	3		3	1		3	1		1		1												1	1				1		2									4
4. Pneumonia	19	22		36	5		18	23		7		4	2	1			1		1	1	1	3	1	3	9	5	1	1	7	8	7	6	1	3	2	2			2	3	41
5. Pleurisy	1	1		2			1	1										1					1															1	1	2
6. Congestion of the Lungs	1	1			2			2																		2								1			1			2
7. Asthma and Emphysema	4	1		1	4		1	4																2	2	1				1		1		1	1				1	5
8. Other Diseases of Respiratory System																																								
Total	38	37		57	18		31	42	2	14		5	2	1	1		1	1	1	2	1	3	2	4	16	17	3	1	10	13	10	9	3	4	5	4	1	3	7	6	75
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	1	1		1	1		1	1																	1	1										1	1			2
2. Other Diseases of Stomach (cancer excepted)	1	6		6	1		2	4	1		1							2			1			1	2					2		1				1	3			7
3. Infant Diarrhoea and Cholera Infantum	15	15		30			30			28	2																		2	1	2		2			6	13	4		30
4. Diarrhoea and Enteritis (not infantile)	2	4		4	1	1	2	3	1						2			1	1							1	1			1			1			1		1	2	6
5. Dysentery	1	2		2	1		2	1		1														1	1												2		1	3
6. Hernia and Intestinal obstructions	3	2		3	2		2	3													1			2		2				1	1			2	1					5
7. Other Diseases of the Intestines	1	1			2			2																1	1									2						2
8. Diseases of the Liver	1	3		3	1		2	2													1				2	1				1	1		1						1	4
9. Peritonitis (not puerperal)		1		1			1												1															1						1
10. Iliac Abscess and Appendicitis	3	2		4	1		3	2							1	1	1						2							1	2					1		1		5
Total	28	37		54	10	1	45	18	2	29	3				3		1	4	2		3		2	5	7	5	1		2	4	7	3	2	1	5	8	16	11	1	4	65
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	1			1			1								1																								1	1
2. Bright's Disease	8	5		5	8		2	9	2									1	1	1		1	1	3	4	1		1	1	2	2	1	1	1	1	1			2	13
3. Other Diseases of Kidneys and Adnexa	1				1			1																		1								1						1
4. Vesical Calculi																																								
5. Diseases of the Bladder	1				1			1																		1			1											1
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus		1		1				1												1											1								1
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	11	6		7	10		3	12	2						1		1	1	2			1	1	3	4	3		2	1	2	3	1	2	1	1	1			3	17

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CAUSES OF DEATHS IN COUNTIES, IN 1902.—LAMBTON—Population, 57,208. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																								Months.												Total.
										Under 5.																																						
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January	February.	March	April.	May.	June.	July	August.	September.	October.	November.	December.										
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										41
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	12	11	....	16	6	1	11	9	....	....	2	..	..	2	2	4	3	1	1	2	4	1	1	..	..	..	..	..	1	1	2	1	1	..	1	1	4	8	3										23
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
3. Measles	2	3	....	4	1	....	5	....	....	....	2	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	3	..	..	..	..	..	..										5
4. Scarlet Fever	1	2	....	2	1	....	3	....	....	....	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	1										3
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
6. Diphtheria and Croup	2	4	....	6	....	....	6	....	....	....	1	3	1	..	1	..	..	..	..	..	..	..	..	..	2	..	1	..	1	..	..	..	..	..	1	..	1	1	1										6
7. Influenza	1	2	....	2	1	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....										3
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	18	22	....	30	9	1	28	12	....	2	4	5	1	2	3	2	4	3	1	2	2	4	1	1	2	..	1	..	5	3	3	2	4	..	1	1	2	5	9	5										40
II. OTHER GENERAL DISEASES.																																															
1. Pyæmia and Septicæmia	3	4	....	5	2	....	1	6	..	....	..	..	..	..	..	..	1	..	1	1	1	1	..	2	..	..	..	..	..	..	..	2	..	..	1	1	..	2	1	..										7
2. Malarial Fever	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....										1
3. Tuberculosis and Scrofula	23	39	....	52	9	1	29	32	1	....	2	..	..	1	4	7	6	13	7	6	6	1	3	4	2	..	..	..	4	7	6	5	2	9	6	5	2	6	5	5										62
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
5. Cancer	17	17	....	19	14	1	3	31	....	....	....	....	....	....	....	....	....	1	..	1	1	1	4	11	7	6	2	1	1	5	5	2	4	3	1	3	2	2	4	2										34
6. Rheumatism and Gout	2	3	....	4	1	....	1	4	..	....	....	....	....	....	....	....	1	..	1	..	..	1	1	1	..	..	..	..	..	1	1	1	..	1	..	..	..	..	1										5
7. Diabetes	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....										1
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	46	64	....	81	27	2	35	74	1	....	2	....	....	1	4	9	7	14	10	8	8	6	17	12	8	3	1	5	13	15	8	6	14	8	8	6	10	9	8										110
Local Diseases.																																															
III. NERVOUS SYSTEM.																																															
1. Encephalitis	....	2	....	5	....	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....										2
2. Simple Meningitis	7	5	....	12	....	....	11	1	....	3	1	3	2	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	4	1	2	..	2	..	1	..	..	2	..										12
3. Epidemic Cerebro-spinal Meningitis	2	....	....	2	....	....	2	....	....	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	....	....	....	1	....	....										2
4. Congestion and Hemorrhage of Brain	9	5	....	8	6	....	2	12	....	....	....	....	....	....	....	....	1	....	....	1	1	1	2	1	4	..	..	..	....	4	1	2	1	2	1	1	..	1	1										14
5. Softening of Brain	1	1	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....										2
6. Paralysis without specific cause	7	7	....	6	7	1	6	8	....	....	....	....	....	....	....	....	1	....	....	2	....	....	2	2	6	1	..	..	1	..	1	1	2	..	..	3	1	2	2	1										14
7. Insanity	2	1	....	....	3	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	..	1	..	2	..	..	..	..	..	1	..	..	..	..	..										3
8. Epilepsy	....	4	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....										1
9. Convulsions (not puerperal)	8	2	....	12	....	....	12	....	....	10	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	5	..	2	..	1	..	1	1	..										12
10. Other Nervous Diseases	3	1	....	4	1	....	2	3	....	....	....	....	....	....	1	....	....	....	....	....	....	....	2	1	1	....	....	....	1	....	....	....	....	....	....	....	2	2	....										5
Total	39	28	....	48	18	1	37	30	....	14	2	5	2	..	3	..	2	1	..	3	2	2	3	6	9	11	1	1	9	1	12	4	8	2	6	5	7	5	6	2										67
IV. CIRCULATORY SYSTEM.																																															
1. Pericarditis	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....										1

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LAMBTON.—*Continued.*

Number of Column.	1	2	3	1	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas		1		1				1																	1							1									1
2. Skin and Adnexa (cancer excepted)																																									
Total		1		1				1																	1							1									1
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of Bones and Joints		1		1			1						1																								1				1
3. Amputation (for unspecified diseases)																																									
Total		1		1			1						1																								1				1
XI. MALFORMATIONS, ETC.																																									
1. Still-Births	17	11		28			28			28																			1	1	3	3	3		5	1	4	1	5	1	28
2. Congen. Debil. and Malformations	33	23		56			5			56																			6	3	8	5	5	4	6	3	6	1	3	3	56
3. Other Diseases of Infancy																																									
4. Senile Decay	52	43		15	51	26	5	89	1																1	41	53		8	13	6	7	12	9	10	4	5	4	8	9	95
Total	102	77		99	54	26	89	89	1	84															1	41	53		16	17	17	15	20	13	21	8	15	9	16	13	179
XII. SUICIDE.																																									
1. Poison	1			1			1														1															1				1
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
5. Firearms	1			1			1												1																	1				1
Total	2			2			2												1		1															2				2
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	4	1			4	1	1	4														1			1		2	1			2				1	1			1	5
2. Gunshot	2			2			2							1		1													1											2
3. Drowning	4	1		4	1		4		1				1		2		1			1															1	3	1				5
4. Bicycles																																									
5. Railways	20	8		22	6		12	11	5					2	2		2		3	2	3	5	5	3	1									2				1	25	28
6. Burns and Scalds		5		5			5			1		3		1															1			1		1			1	1		5
7. Other Accidents	7	1		6	2		5	3		1			1		2				1			1	2						1	2	1				3		1		8
Total	37	16		39	13	1	29	18	6	2		3	2	2	6	2	2	2		5	2	4	6	7	4	1	2	1	2		3	2	2	3	5	2	3	1	4	27	53
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy	1	5		3	3			6														1			1	4				1		3	1					1		6
2. Tumors		2		1	1			2																		2					1						1				2
3. Other Ill-Defined Causes	6	2		7	1		2	6						1					3			1			1	2			2		2			1		1		1	1	8
Total	7	9		11	5		2	14						1					3			2			2	8			2		4	3	1	1		1	1	1	1	16
Total from all causes	347	346		461	199	33	311	368	9	123	15	20	8	4	22	12	25	24	35	31	26	29	27	57	71	90	71	3	68	56	80	58	60	49	55	44	55	43	56	69	693

CAUSES OF DEATHS BY COUNTIES IN 1902.—LANARK.—Population, 37,604. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social cond.			Ages.																													Months.												Total.
										Under 5.																																										
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.																							
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41								
I. COMMUNICABLE DISEASES.																																																
1. Typhoid Fever	3	2	....	4	1	....	1	4	....	....	....	....	....	....	....	....	....	1	....	....	2	..	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	..	2	5						
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
3. Measles	1	5	....	6	....	....	6	....	....	3	..	1	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1	2	1	1	1	....	....	....	....	....	....	6							
4. Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
6. Diphtheria and Croup	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1							
7. Influenza	1	3	....	2	2	....	2	2	....	....	..	1	....	....	....	....	....	....	....	1	..	1	....	....	....	1	....	....	....	..	1	..	1	....	....	....	....	....	1	1	4							
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
Total	6	10	....	13	3	....	10	6	....	3	..	2	....	....	....	..	1	1	1	1	..	1	2	..	2	2	....	....	..	2	2	2	2	1	....	..	1	2	1	3	16							
II. OTHER GENERAL DISEASES.																																																
1. Pyaemia and Septicaemia	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1						
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
3. Tuberculosis and Scrofula	25	29	....	47	7	....	31	23	....	1	1	....	....	....	1	2	9	9	9	7	6	1	2	1	5	....	....	....	5	2	6	2	5	5	4	1	8	8	5	3	54							
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
5. Cancer	10	7	....	12	5	....	4	13	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	7	3	3	2	....	3	1	1	1	2	3	....	1	....	4	1	1	17							
6. Rheumatism and Gout	2	1	....	3	....	....	3	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	1	....	1	....	....	....	3						
7. Diabetes	2	....	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	..	1	....	....	....	....	....	....	....	2						
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
Total	40	37	....	65	12	....	39	38	....	1	1	....	....	..	1	4	10	9	9	7	7	1	4	9	8	4	2	..	9	3	7	5	7	9	5	1	13	9	6	3	77							
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	3	3	....	5	1	....	5	1	....	1	1	1	....	....	1	..	1	....	....	....	1	....	....	....	....	....	....	....	1	....	1	..	2	....	....	....	1	1	..	6							
2. Simple Meningitis	2	3	....	4	1	....	4	1	....	....	1	....	....	....	1	....	....	....	1	1	....	....	....	....	....	1	....	....	....	1	....	2	....	....	1	....	....	1	..	5							
3. Epidemic Cerebro-spinal Meningitis	1	1	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	1	2							
4. Congestion and Hemorrage of Brain	2	4	....	4	2	....	1	5	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	2	2	....	....	2	....	1	....	1	....	....	....	....	1	1	....	6							
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
6. Paralysis without specified cause	12	5	....	8	9	....	....	17	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2	5	6	3	....	....	1	2	....	2	....	2	....	2	1	1	1	3	17							
7. Insanity	1	3	....	1	....	....	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1							
8. Epilepsy	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	2							
9. Convulsions (not puerperal)	....	1	....	3	....	....	2	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	..	1	....	....	....	....	....	....	3							
10. Other Nervous Diseases	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1							
Total	23	20	....	30	13	....	16	27	....	3	3	1	....	....	2	..	1	....	1	2	3	1	1	3	7	10	3	1	4	4	4	3	6	6	....	3	1	2	4	6	43							

LANARK.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	11	13		20	3	1	4	20											1			2	4	3	11			4	1	2	1	3	5	1	1		1	5	24
4. Angina Pectoris	1	1			2			2																1	1	1								1						2
5. Arteries, Atheroma, Aneurism, etc.	1			1				1																	1											1					1
6. Other Diseases of Circulatory System		1			1			1																																1
Total	13	15		21	6	1	4	24											1			2	4	4	16	1		4	1	2	1	5	1	1	2		1	2	5	28
V. RESPIRATION.																																								
1. Acute Bronchitis	3	2		4	1		3	2		2	1														2			1			1		1			1	1		5
2. Chronic Bronchitis																																								
3. Broncho-pneumonia	1			1			1			1																					1									1
4. Pneumonia	20	15		28	7		9	26			4	1	1				2	1	3		4	2	2	2	3	7	3		5	9	1	2	3	2	1		1	2	3	35
5. Pleurisy	3	1		2	2		2	2										1	1			1			1				1			2					1		4
6. Congestion of the Lungs	2			1	1			2																		1	1										1	1		2
7. Asthma and Emphysema	1	2		1	2		1	2															1			2								1	1	1				3
8. Other Diseases of Respiratory System																																								
Total	30	20		37	13		16	34		3	5	1	1				2	2	4		4	3	3	2	6	10	1		7	9	5	1	4	2	3	1	2	5	5	50
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	5	3		7	1		4	4						1	1			1							3	1	1			2	1		1	2			1	1		8
3. Infan. Diarr. and Cholera Infantum	7	3		10			10			9																							1	2	1	1	2			10
4. Diarrhœa and Enteritis (not infantile)	1	2		3				3														1			2					1								1	3
5. Dysentery																																								
6. Hernia and Intestinal obstructions	2	1		2	1		1	2			1															2										1	1		3
7. Diseases of the Liver	3	3		5	1		3	3						1						1		2	1			1		2				1	1		1	1			6
8. Peritonitis (not puerperal)		2		1	1			2											1					1						1		1							2
9. Iliac abscess and appendicitis	3	2		4		1	2	3									1					1	1			1	1		2	1						1	1			5
Total	21	16		32	4	1	20	17		9	1	1		1	2		1	1	1	1		1	1	4	2	4	1		4	3	3		1	5	2	5	5	4	1	1	37
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	4	3		5	2		1	5	1												1		1		1	1	3		1		1		1	2			1	1	7
3. Other Diseases of Kidneys and Adnexa	2	4		6	1		2	4											1	2	1			1	1	1			2		2		1				1		6
4. Vesical Calculi																																								
5. Diseases of the Bladder	1			1				1																		1							1							1
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors		1		1				1													1																1		1
10. Other Diseases of Female Genital Organs																																								
Total	7	8		12	3		3	11	1										1	2	3		1	1	1	3	3		3		3			3	2			3	1	15

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CAUSES OF DEATHS BY COUNTIES IN 1902.—LEEDS AND GRENVILLE. (Including municipalities of all classes.)—POPULATION, 59,585.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																					Months.												Total.
										Under 5.																																	
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever	4	5	....	8	1	....	6	3	1	....	....	....	....	....	1	..	1	..	2	..	1	1	2	1	1	..	..	..	..	..	1	..	2	1	..	2	2	..	..	1	9
2. Smallpox	1	....	....	....	....	1	....	1	....	....	....	....	....	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
3. Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
4. Scarlet Fever	2	2	....	4	....	....	4	....	....	....	....	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	4
5. Whooping Cough	1	1	....	2	....	....	2	....	....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	2
6. Diphtheria and Croup	7	9	....	16	....	....	16	....	....	1	6	..	1	3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	..	..	2	..	..	..	1	2	6	16
7. Influenza	2	2	....	3	1	....	1	3	....	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	..	..	..	1	1	..	..	1	..	..	..	..	..	..	1	4
8. Other Epidemic Diseases	2	....	....	2	....	....	2	....	....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2
Total	19	19	....	35	2	1	30	7	1	4	7	1	2	6	3	2	1	2	..	1	2	3	1	1	..	2	..	..	1	4	5	1	6	3	..	2	3	2	2	9	38
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	4	3	....	6	1	....	2	5	....	....	....	....	....	....	..	1	..	1	..	..	..	2	1	1	1	..	..	..	..	..	..	1	1	..	2	1	..	2	..	..	7
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
3. Tuberculosis and Scrofula	32	52	....	78	5	1	38	36	10	1	1	1	..	..	2	2	4	8	13	11	16	4	5	8	5	2	1	..	5	6	11	9	10	7	4	7	3	5	5	12	84
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
5. Cancer	10	13	....	16	7	....	4	17	2	....	....	....	....	....	..	..	..	..	..	..	..	1	2	6	5	6	3	..	..	1	..	..	1	1	2	4	2	4	1	5	2	23
6. Rheumatism and Gout	1	3	....	4	....	....	4	....	....	....	....	....	....	....	1	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	..	..	1	..	..	1	..	4
7. Diabetes	5	1	....	6	....	....	1	3	2	....	....	....	....	....	1	..	..	..	..	1	..	..	1	..	1	1	..	..	1	..	1	..	..	2	1	..	1	1	..	..	..	6
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Total	52	72	....	110	13	1	49	61	14	1	1	1	..	..	4	4	5	9	13	12	16	8	8	16	13	8	4	1	6	6	13	11	15	10	10	12	8	8	11	14	124
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	2	....	....	2	....	....	2	....	....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	2
2. Simple Meningitis	7	3	....	10	....	....	9	1	....	3	1	1	..	..	2	1	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	2	..	1	1	2	2	..	..	10
3. Epidemic Cerebro-spinal Meningitis	3	1	....	4	....	....	3	1	....	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	4
4. Congestion and Hemorrhage of Brain	11	13	....	15	9	....	3	19	2	....	....	....	....	....	..	..	..	..	..	1	1	1	..	2	2	7	9	1	..	..	3	1	1	3	3	2	3	2	3	3	24
5. Softening of the Brain	3	1	....	3	....	1	....	1	3	....	....	....	....	....	..	..	..	..	..	1	..	..	..	..	2	1	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	4
6. Paralysis without specified cause	8	13	....	14	5	2	3	16	2	....	....	....	....	....	..	..	..	..	..	1	..	..	..	2	9	7	2	..	..	3	..	4	1	2	..	2	2	..	3	1	3	21
7. Insanity	7	4	....	10	1	....	6	4	1	....	....	....	....	....	..	..	..	..	..	1	1	1	..	2	3	1	1	..	..	..	2	1	..	..	1	..	..	2	4	..	1	11
8. Epilepsy	5	2	....	6	1	....	5	2	....	....	....	....	....	....	..	..	..	..	2	1	..	..	2	1	1	..	..	..	..	..	..	1	..	2	..	1	..	..	..	3	..	7
9. Convulsions (not puerperal)	10	4	....	13	1	....	14	....	....	8	..	1	1	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	2	4	..	..	1	2	2	1	1	1	..	14
10. Other Nervous Diseases	5	2	....	7	....	....	3	2	2	....	....	....	....	....	1	1	..	1	..	..	..	..	..	3	1	..	..	..	..	1	..	..	..	1	2	..	..	1	2	..	..	7
Total	61	43	....	84	17	3	48	46	10	14	2	2	1	..	3	4	2	2	3	5	2	3	2	10	19	16	12	2	4	5	15	5	9	8	9	7	12	14	8	8	104
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....

| | | |

LEEDS and GRENVILLE.—*Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	....	1	....	....	1	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
2. Skin and Adnexa (cancer excepted)	2	....	....	2	....	....	1	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	2
Total	2	1	....	2	1	....	1	2	....	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	1	..	..	1	..	..	..	..	..	..	3
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
2. Diseases of Bones and Joints	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Total	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
XI. MALFORMATIONS, ETC.																																								
1. Still births	7	7	2	16	....	....	16	....	....	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	4	1	1	1	2	..	1	1	..	2	16
2. Congen. Debility and Malformations	17	19	....	36	....	....	36	....	....	36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	1	5	4	3	4	3	1	3	2	1	3	36
3. Other Diseases of Infancy	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
4. Senile Decay	78	69	....	71	76	....	12	123	12	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	50	86	..	14	13	16	13	13	9	10	10	11	10	11	17	147
Total	102	95	2	123	76	....	64	123	12	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	50	86	..	22	15	25	18	17	14	15	11	15	13	12	22	199
XII. SUICIDE.																																								
1. Poison	2	2	....	2	2	....	2	2	....	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	1	1	1	1	4
2. Strangulation	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
3. Gas Poisoning	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
4. Drowning	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Total	2	2	...	2	2	....	2	2	....	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	1	1	1	1	4
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	8	1	....	7	....	2	2	6	1	....	..	..	..	..	..	..	..	..	1	..	2	..	1	2	1	..	1	1	1	..	1	1	..	..	2	2	1	1	..	9
2. Gunshot	1	....	....	....	1	....	1	....	....	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
3. Lightning	1	....	....	1	....	....	1	....	....	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
4. Drowning	7	....	....	6	....	1	4	2	1	....	..	..	..	..	2	1	..	1	..	..	..	1	..	1	1	..	..	..	..	..	1	1	..	..	3	1	..	1	..	7
5. Electric Cars	1	....	....	1	....	....	....	1	....	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
6. Bicycles	1	1	....	2	....	....	2	....	....	....	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	2
7. Railways	5	1	....	2	3	1	4	1	1	....	..	1	..	..	..	..	..	1	..	2	..	1	..	..	..	1	..	..	1	..	..	2	..	1	1	..	..	1	..	6
8. Burns and Scalds	....	3	....	2	....	1	2	....	1	....	..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	3
9. Homicide	....	1	....	1	....	....	1	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Total	24	7	....	22	4	5	17	10	4	1	..	2	1	..	3	2	..	3	2	2	2	2	2	4	2	1	1	1	2	..	5	4	..	1	6	4	3	3	2	1	31
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	4	6	1	8	2	1	1	8	2	....	..	..	..	..	..	1	..	1	..	..	..	1	..	1	2	2	3	..	3	2	1	1	2	..	1	..	1	..	..	..	11
2. Tumours	3	4	....	3	3	1	2	5	....	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	3	1	..	..	1	..	2	..	..	..	1	1	2	..	..	7
3. Other Ill-defined Causes	7	7	....	10	3	1	7	5	2	....	..	2	..	..	..	..	1	1	1	..	2	1	..	1	2	1	..	2	..	3	3	2	3	1	..	..	..	..	1	1	14
Total	14	17	1	21	8	3	10	18	4	1	..	2	..	..	..	1	2	1	2	..	2	1	1	3	4	6	4	2	3	6	4	5	5	1	1	1	2	2	1	1	32
Total from all causes	407	386	3	599	177	20	319	412	65	100	25	12	7	8	21	15	19	31	31	30	38	26	29	59	93	117	128	7	63	61	94	68	74	53	57	63	65	63	50	85	796

CAUSES OF DEATHS BY COUNTIES.—LENNOX AND ADDINGTON.—Population, 23,579.—(Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																					Months.											Total.
										Under 5.																																
Number of Column.	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0.1	.1	.2	.3	.4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever	1			1			1											1																		1				1
2. Smallpox																																									
3. Measles		1		1			1				1																				1									1
4. Scarlet Fever	1	2		3			3						1		1	1													1	1	1										3
5. Whooping Cough	1			1			1			1																														1	1
6. Diphtheria and Croup	3	3		5	1		5				1	1		1	1	1									1				1		1		1	1			1		1	6
7. Influenza		4		3	1		3	1								1										1	2				3								1		4
8. Other Epidemic Diseases																																									
Total	6	10		14	2		15	1		1	2	1	1	1	2	3	1							1	1	2		2	1	6		1	1		2		2	1	16
II. OTHER GENERAL DISEASES.																																									
1. Pyæmia and Septicæmia	1	1		2			1	1		1													1									1			1					2
2. Malarial Fever																																									
3. Tuberculosis and Scrofula	21	18		36	3		18	17	1	1	1		1		1	4	1	2	4	3	3	5		6	5	2			1	2	4	2	2	7	3	2	1	6	4	5	39
4. Syphilis																																									
5. Cancer	6	7		9	4		2	8	3														1	2	7	3			1		2	1	1		3	2		1	2		13
6. Rheumatism and Gout	1			1					1																1													1			1
7. Diabetes		3		2	1			3												1				1	1				1			1			1					3
8. Other General Diseases																																									
9. Alcoholism, Acute and Chronic																																									
Total	29	29		50	8		21	29	8	2	1		1		1	4	1	2	4	4	3	5	2	9	14	5			3	2	6	4	3	8	7	4	2	8	6	5	58
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis		2		1	1		2			1								1											1			1								2
2. Simple Meningitis	1	2		3			2		1	2																	1		1	2											3
3. Epidemic Cerebro-spinal Meningitis																																									
4. Congestion and Hemorrhage of Brain	4	3		6	1		2	3	2	1															2	3	1		1	1		2	1				1	1		7
5. Softening of the Brain		1			1		1																	1									1								1
6. Paralysis without specified cause	1	4		5				5										1						1	2	1			1	1	1			1		1				5
7. Insanity																																									
8. Epilepsy	1			1			1															1														1				1
9. Convulsions (not puerperal)	3	2		5			5			4	1																					2		2					1	5
10. Other Nervous Diseases	2	2		3	1		2	2		1		1												1	1											3	1			4
Total	12	16		21	4		15	10	3	9	1	1						1	1			1		3	5	4	2		1	4	3	5	1	4	1		5	2	1	1	28

LENNOX AND ADDINGTON.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM																																									
1 Pericarditis																																									
2 Endocarditis																																									
3 Organic Heart Diseases	10	6		13	3		7	9		2	1			2			1			1	2	1	2	3	1			1		2	3	5	1		2		1	2		16
4. Angina Pectoris		1		1				1																																1
5. Arteries, Atheroma, Aneurism etc																				1																					
6 Other Diseases of Circulatory System	2	1		3			1	2													1	1		1				1	1		1									3
Total	12	8		17	3		8	12		2	1			2			1			1	2	3	1	3	3	1		1	1	3	2	6	1		3		1	2		20
V. RESPIRATION.																																								
1 Acute Bronchitis	1			1			1																			1											1			1
2. Chronic Bronchitis	1				1		1																		1				1											1
3. Broncho pneumonia	1			1			1			1																												1		1
4. Pneumonia	12	8		17	2	1	9	10	1	4	2						1		1	1			4	2	2	3		2	2	1	4	2		2		3	4		20
5 Pleurisy		1			1			1																		1		1												1
6 Congestion of the Lungs																																								
7 Asthma and Emphysema		1		1			1									1																						1		1
8. Other Diseases of Respiratory System																																								
Total	15	10		20	4	1	13	11	1	5	2					1	1		1	1			4	3	3	4		3	3	1	4	2		2		3	6	1	25
VI. DIGESTIVE SYSTEM.																																								
1. Cheer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	2	1		6			3	3		1			1													1	3		1							1	2	1	1	6
3. Infan. Diarr. & Cholera Infantum	1	2		3			3			2	1																			1					1	1				3
4. Diarrhœa & Enteritis (not infantile)	3	1		3	1		2	2						1			1							1		1		1			1		1				1		4
5. Dysentery																																								
6. Hernia & Intestinal obstructions	1	1		1	1			1	1																1		1				1		1						2
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	2	3		4	1		2	3			1								1					2		1			2		1		1				1		5
9. Peritonitis (not puerperal)		1		1				1																		1				1									1
10 Iliac abscess and appendicitis	1	1		2				1	1															1		1									1				2
Total	10	13		20	3		10	11	2	3	2		1	1		1		1					4	1	5	4		4	1	2	2	1	2	1	3		3	2	2	23
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	5	4		8	1		3	6								2	1				1		2	2	1			2	1		1	1	1	1		1			1	9
3. Other Diseases of Kidneys and Adnexa	7			1				1																		1											1			1
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts & Ovarian Tumors																																								
Total	6	4		9	1		3	7								2	1			1			2	2	2			2	1		1	1	1	1		1			1	10

	140	138	228	47	3	126	127	25	51	9	4	3	2	6	9	4	8	8	8	8	11	10	3	30	32	38	41	3	30	20	30	23	29	20	22	22	24	20	278
VIII. PUERPERAL DISEASES.																																							
1. Puerperal Septicæmia		1		1																																			1
2. Puerperal Albuminuria and Convul.		2		2				1																															2
3. Other acc. of Preg., Sudden Death		1		1																												1	1						1
4. Puerperal Diseases of the Breast																																							
Total		4		4				4													1	3								2	1	1							4
IX. THE SKIN.																																							
1. Erysipelas		1		1				1																															1
2. Skin and Adipose (cancer excepted)																																							
Total		1		1				1		1																													1
X. LOCOMOTOR SYSTEM.																																							
1. Pott's Disease																																							
2. Diseases of the Bones and Joints																																							
3. Amputation (for unspecified Dis.)																																							
Total																																							
XI. MALFORMATIONS, ETC.																																							
1. Still Births		3		11				11		11											1	2																	11
2. Congen. Debil. and Malformations		6		13				13		13											2	1																	13
3. Other Diseases of Infancy																																							
4. Senile Decay		21	21																								17	27	1										49
Total		35	34					30		30											3	3					17	27	1										69
XII. SUICIDE.																																							
1. Poison																																							
2. Strangulation																																							
3. Gas Poisoning																																							
4. Drowning																																							
Total																																							
XIII. ACCIDENTS.																																							
1. Fractures and Dislocations		3	2		21	3		1		4											1						2											5
2. Gunshot		2			1	1		2														1						1	1									2
3. Drowning		1																																					
4. Railways		1			1																																		
5. Poison					1			1																															
6. Suffocation			1	2		1		2		1																													3
Total		6	3		2	5		5		5											1	1					2	1										13
XIV. ILL DEFINED CAUSES.																																							
1. Dropsy		1	2		2	1		1		2											1																	3
2. Tumors			2		3					1																													4
3. Other Ill Defined Causes			1			1		1																															4
Total		1	5		5	2		2		3																													11
Total from all causes		138	228		47	3		126		127											25	51																	278

CAUSES OF DEATHS BY COUNTIES IN 1902.—LINCOLN.– Population, 30,857. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social con.			Ages.																										Months.												Total.
										Under 5.																																								
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	.1	.2	.3	.4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	3	6	....	6	3	....	2	7	....	....	....	....	1	....	1	....	....	2	1	....	1	....	1	1	1	....	....	....	1	1	1	....	....	....	....	....	....	3	3	....	....	9
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1
4. Scarlet Fever	2	....	....	2	....	....	2	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	2
5. Whooping Cough	3	1	....	1	....	....	1	....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	1	....	....	....	....	....	....	....	4
6. Diphtheria and Croup	3	2	....	5	....	....	5	....	....	....	1	....	....	3	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	1	....	....	1	1	5
7. Influenza	1	....	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	12	10	....	19	3	....	14	8	....	4	1	1	1	4	2	....	3	1	....	1	1	1	1	1	....	....	....	....	2	3	3	....	2	2	1	1	3	3	1	1	22
II. OTHER GENERAL DISEASES.																																														
1. Pyaemia and Septicaemia	1	2	....	1	2	....	....	3	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	1	1	1	....	....	....	3
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	20	19	....	35	4	....	18	21	....	4	....	....	....	....	2	....	1	7	5	6	1	3	3	3	4	....	....	....	6	2	4	5	3	3	3	6	....	3	....	4	39
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	7	14	....	8	13	....	2	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	6	4	8	1	1	....	1	....	2	2	4	2	4	2	1	2	1	21
6. Rheumatism and Gout	1	3	....	1	3	....	2	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2	1	....	....	....	....	1	1	....	1	....	....	1	....	....	....	....	....	4
7. Diabetes	1	1	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	2
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Alcoholism, Acute and Chronic	2	....	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	2
Total	32	39	....	48	23	....	22	49	....	4	....	....	....	....	9	....	1	7	6	8	2	3	4	13	9	9	2	1	6	4	5	7	6	8	9	12	2	4	2	6	71
Local Diseases.																																														
III. NERVOUS SYSTEM.																																														
1. Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Simple Meningitis	1	2	....	3	....	....	3	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	3
3. Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Congestion and Hemmorrhage of Brain	10	8	....	10	6	2	3	14	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	6	2	6	2	....	2	....	4	1	2	2	1	1	1	....	3	1	18
5. Softening of the Brain	1	1	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	2
6. Paralysis without specified cause	....	6	....	4	2	....	....	5	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	2	....	....	1	1	1	....	1	....	....	....	....	....	....	2	6
7. Insanity	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
8. Epilepsy	2	1	....	1	2	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	1	....	....	1	....	....	....	....	....	....	1	....	3
9. Convulsions (not puerperal)	3	4	....	7	....	....	7	....	....	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2	....	....	....	....	2	....	1	....	7
10. Other Nervous Diseases	1	1	....	1	1	....	1	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	....	....	1	....	2
Total	18	24	....	28	12	2	16	24	2	7	....	1	1	....	1	....	....	....	2	....	1	....	1	8	10	8	2	....	4	3	9	5	3	3	1	3	1	1	6	3	42
IV. CIRCULATORY SYSTEM.																																										
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

| | | |

LINCOLN.—*Continued.*

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	2	..	..	2	..	..	1	1	..	..									1	..	..	..	..	..	1	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	2
2. Skin and Adnexa (cancer excepted)	1	2	..	1	2	..	..	3	..	..									..	..	..	1	..	..	2	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	3
Total	3	2	..	3	2	..	1	4	..	..									1	..	..	1	..	..	3	..	..	..	3	1	1	..	..	..	..	..	..	..	..	..	5
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	..	..	..	..	..	..	..	..	..	..									..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Diseases of the Bones and Joints	..	..	..	..	..	..	..	..	..	..									..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Amputation (for Unspecified Dis.)	..	..	..	..	..	..	..	..	..	..									..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..									..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XI. MALFORMATIONS, ETC.																																									
1. Still Births	7	4	1	12	..	..	12	..	..	12																			1	2	..	1	2	..	..	1	..	2	..	..	12
2. Congen. Debility and Malformations	14	10	..	24	..	..	24	..	..	24																			3	2	3	2	1	2	2	2	2	..	2	..	24
3. Other Diseases of Infancy	..	..	..	..	..	..	..	..	..	..																			..	..	..	..	..	..	..	..	..	..	..	..	..
4. Senile Decay	31	17	..	25	22	1	5	11	2	..															1	11	30	..	5	2	6	4	1	4	4	..	2	5	5	8	..	78
Total	52	31	1	61	22	1	11	11	2	36															1	14	30	..	9	6	9	10	7	6	9	8	4	6	5	10	..	81
XII. SUICIDE.																																									
1. Poison	1	..	..	1	..	..	1	..	..	..																			1	..	..	1	..	..	..	..	..	..	..	..	1
2. Strangulation	..	1	..	1	..	..	..	1	..	..																			..	1	..	..	..	..	..	..	..	..	..	..	1
3. Gas Poisoning	..	..	..	..	..	..	..	..	..	..																			..	..	..	..	..	..	..	..	..	..	..	..	..
4. Drowning	..	..	..	..	..	..	..	..	..	..																			..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	..	2	..	..	1	1	..	..								1	..	1									..	1	..	1	..	..	..	..	..	..	..	..	2
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	6	1	..	6	3	1	5	5	..	..							2	1	1	1	..	1	..	1	1	2	..	..	..	..	1	..	..	3	..	..	1	1	1	3	10
2. Gunshot	2	1	..	2	1	..	1	1	1	..												2	..	..	..	..	1	..	1	1	..	..	..	..	..	..	1	..	..	3
3. Lightning	2	..	..	2	..	..	2	..	..	..							1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	2
4. Drowning	4	2	..	1	2	..	2	3	1	..	1	1	..	1	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	1	1	1	..	2	1	..	..	..	6
5. Electric Cars	..	..	..	..	..	..	..	..	..	..																															..
6. Bicycles	..	..	..	..	..	..	..	..	..	..																															..
7. Railways	2	..	..	2	..	..	1	1	..	..				1	..	..									1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Total	16	7	..	16	6	1	11	10	2	..	1	1	..	1	1	..	3	1	1	1	2	2	3	2	1	2	..	1	..	1	2	..	1	3	2	1	3	3	1	5	23
XIV. ILL DEFINED CAUSES.																																								
1. Dropsy	5	..	..	3	2	..	1	3	1	..													..	1	2	2	..	2	..	1	..	1	..	..	1	..	..	..	..	..	5
2. Tumors	2	..	..	..	..	..	..	2	..	..													1	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	2
3. Other Ill-Defined Causes	5	2	..	4	2	1	4	3	..	..	1	1	..	..	..	..	..	..	..	..	..	1	1	..	2	..	1	2	..	..	..	..	1	..	..	1	1	1	1	..	7
4. Lockjaw	1	..	..	..	1	..	..	1	..	..										1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Total	13	2	..	7	7	1	5	9	1	..	1	1	..	..	..	..	..	..	..	1	..	..	1	2	2	4	2	1	5	..	1	..	2	1	1	1	1	1	1	1	15
Total from all causes	205	184	1	277	108	5	167	214	9	69	6	6	3	3	13	5	6	15	20	17	10	9	15	35	56	52	43	7	39	38	36	32	36	34	34	25	24	41	17	34	390

CAUSES OF DEATHS BY COUNTIES IN 1902—MIDDLESEX.—Population, 93,629. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity			Social condition.			Ages.																								Months.												Total.
										Under 5.																																						
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60–69	70–79	80 and over.	Not given.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	10	41
I. COMMUNICABLE DISEASES.																																													
1. Typhoid Fever	2	2	....	4	....	....	4	....	....	....	....	....	....	....	....	....	2	1	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	1	....	....	4
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	3	5	....	8	....	....	7	1	....	....	....	1	....	1	3	1	....	1	....	....	....	....	....	1	....	....	....	....	1	4	1	1	1	....	....	....	....	....	....	8
4. Scarlet Fever	2	1	....	3	....	....	2	....	1	....	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	2	3
5. Whooping Cough	1	1	....	2	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	2
6. Diphtheria and Croup	13	12	....	25	....	....	24	1	....	3	1	2	1	3	12	2	..	1	....	....	....	....	....	....	....	....	....	....	1	3	2	..	1	1	..	1	3	3	6	4	25
7. Influenza	1	3	....	3	1	....	3	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	1	1	1	1	....	....	....	....	....	....	....	....	4
8. Other Epidemic Diseases	2	....	....	2	....	....	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	2
Total	24	24	....	47	1	....	43	4	1	5	3	3	1	5	16	3	2	3	2	..	..	..	..	3	1	1	..	..	3	8	8	2	3	1	..	2	4	5	6	6	48
II. OTHER GENERAL DISEASES.																																													
1. Pyæmia and Septicæmia	10	7	....	13	4	....	6	9	2	....	1	..	..	..	1	2	1	2	1	2	2	2	..	1	1	..	1	..	2	3	1	1	1	..	1	1	3	2	1	1	17
2. Malarial Fever	2	....	....	1	1	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	2
3. Tuberculosis and Scrofula	62	60	....	102	20	....	61	52	9	7	1	1	2	..	1	2	10	15	24	10	7	9	11	8	10	2	2	..	12	12	9	18	12	8	8	6	8	11	7	11	122
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	25	31	....	28	31	....	5	51	3	....	....	....	....	....	1	....	1	....	1	1	1	7	6	12	22	6	2	..	12	3	4	1	4	5	5	3	4	7	5	6	59
6. Rheumatism and Gout	4	4	....	4	4	....	3	3	2	....	....	....	....	....	..	1	..	1	..	1	..	1	..	..	1	1	1	1	..	..	1	....	....	....	1	....	....	....	....	4	2	8
7. Diabetes	2	4	....	6	....	....	5	1	....	....	....	....	....	....	1	1	..	2	....	....	....	1	..	1	....	....	....	....	....	....	....	1	....	....	....	....	1	2	....	2	6
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	105	109	....	154	60	....	81	117	16	7	2	1	2	..	5	5	13	19	26	13	11	19	17	23	35	9	6	1	26	19	14	21	17	14	14	11	16	23	17	22	214
Local Diseases.																																													
III. NERVOUS SYSTEM.																																													
1. Encephalitis	4	2	....	5	1	....	5	1	....	3	....	....	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....	2	1	6
2. Simple Meningitis	12	3	....	15	....	....	14	1	....	5	2	1	..	3	1	2	..	1	....	....	....	....	....	....	....	....	....	....	3	2	2	....	....	3	....	3	1	1	15
3. Epidemic Cerebro-spinal Meningitis	5	4	....	7	2	....	6	3	....	1	..	....	....	2	1	1	..	....	....	....	2	1	1	..	....	....	....	....	1	1	2	2	1	1	....	....	....	1	....	9
4. Congestion & Hemorrhage of Brain	31	16	....	20	27	....	4	39	4	1	..	1	..	....	....	....	....	....	1	2	..	2	12	15	11	2	..	....	5	5	4	2	2	2	4	3	5	4	5	6	47
5. Softening of Brain	1	1	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	2
6. Paralysis without specified cause	22	29	....	26	25	....	7	50	4	1	..	....	....	....	....	....	....	....	....	....	1	2	5	4	8	22	7	1	....	6	2	10	5	7	4	6	3	..	1	5	2	51
7. Insanity	1	5	..	4	1	1	3	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	....	4	....	....	2	1	2	..	1	....	....	....	....	....	....	....	6
8. Epilepsy	7	7	....	8	6	....	3	10	1	....	....	....	....	....	....	....	1	..	2	..	....	2	1	2	3	2	1	..	....	1	..	2	3	....	....	1	1	1	2	1	2	14
9. Convulsions (not puerperal)	16	12	....	27	1	....	28	....	....	25	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	2	2	..	3	2	1	3	..	6	3	1	28
10. Other Nervous Diseases	4	2	....	4	2	....	3	2	1	....	....	....	....	1	....	....	1	....	1	....	1	....	....	....	3	....	....	....	1	....	....	....	....	2	..	2	..	1	....	....	6
Total	103	81	....	116	61	1	73	101	10	36	3	2	1	..	8	2	4	2	3	2	3	6	8	21	31	40	11	1	27	13	24	13	14	12	15	12	6	17	18	13	184

MIDDLESEX.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Endocarditis	1	3	..	2	2	....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	2	....	....	....	....	....	....	1	1	....	....	....	1	....	4
2. Organic Heart Disease	46	40	....	31	52	....	22	56	8	....	....	....	....	2	1	3	2	2	....	1	7	7	15	27	14	5	....	7	9	9	5	12	7	9	1	4	1	8	11	86
3. Angina Pectoris	3	....	....	1	2	....	2	1	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	....	1	....	....	....	....	....	1	....	1	....	1	....	....	....	....	....	3
4. Arteries, Atheroma, Aneurism, etc	2	3	....	2	3	....	....	5	....	....	....	....	....	....	....	....	....	....	1	....	2	....	1	1	....	3	....	....	....	....	....	....	....	....	1	....	....	....	1	5
5. Other Diseases of Circulatory System	4	9	....	5	8	....	5	10	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	2	5	2	1	....	1	1	....	....	4	....	....	....	1	2	3	1	13
Total	56	55	..	44	67	..	27	76	8	....	....	....	....	....	1	4	2	3	....	2	9	9	19	34	19	7	....	11	10	10	5	18	7	12	2	5	6	12	13	111
V. RESPIRATION.																																									
1. Acute Bronchitis	9	9	....	16	2	....	16	2	....	16	1	1	1	1	1	1	....	....	....	....	....	....	1	....	....	1	....	....	1	1	5	2	1	4	....	1	....	1	....	18
2. Chronic Bronchitis	8	7	....	4	11	....	....	14	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	4	3	6	....	1	1	3	1	1	1	....	1	1	1	1	3	15
3. Broncho-pneumonia	5	3	....	5	3	....	5	2	1	4	1	....	....	....	....	....	....	....	1	....	1	....	1	....	1	....	....	....	2	....	....	2	....	....	1	....	1	....	....	2	8
4. Pneumonia	48	23	....	52	19	....	29	34	8	10	2	1	2	1	1	2	3	3	1	1	5	4	7	8	8	4	4	1	3	0	7	9	9	6	2	....	....	5	6	14	71
5. Pleurisy	5	5	....	6	4	....	2	7	1	....	....	....	....	....	....	1	....	....	....	....	....	1	1	1	4	1	1	....	2	1	2	....	1	....	2	....	....	....	....	2	10
6. Congestion of Lungs, inc. pul. apo	4	7	....	11	....	....	5	3	3	3	....	....	....	....	....	1	2	....	1	....	....	1	....	....	1	2	1	....	1	1	1	2	1	....	2	1	....	1	1	11
Total	79	54	....	94	39	....	57	62	14	28	4	2	3	2	2	3	5	3	3	5	6	6	9	11	19	10	11	1	10	14	18	16	13	11	5	5	4	6	9	22	133
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
2. Other Diseases of Stomach (cancer excepted)	5	2	....	5	2	....	2	5	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	2	2	....	1	1	....	1	....	....	....	....	....	2	....	....	3	7
3. Infantile Diarrhœa and Cholera Infantum	24	7	....	30	1	....	31	....	....	29	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	4	3	4	....	7	7	4	....	31
4. Diarrhœa and Enteritis (not infantile)	3	8	....	7	4	....	7	4	....	....	4	....	....	1	....	....	....	....	....	1	....	1	1	2	....	....	1	....	....	....	1	....	2	1	1	1	1	..	1	3	11
5. Dysentery	1	1	....	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	1	....	....	....	1	....	....	....	....	....	2
6. Hernia and Intestinal obstructions	5	8	....	9	4	....	8	5	....	1	....	....	....	....	....	....	....	....	....	1	2	2	1	3	1	2	....	....	2	2	2	....	1	3	....	....	1	....	....	2	13
7. Other Diseases of the Intestines	4	8	....	4	3	....	3	4	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	1	2	2	1	....	1	1	....	....	....	1	....	....	2	1	....	1	7
8. Diseases of the Liver	6	9	....	8	7	....	4	11	....	....	....	....	....	....	....	1	....	....	2	....	1	2	....	2	4	3	....	....	1	1	1	2	2	2	2	1	1	....	1	1	15
9. Peritonitis (not puerperal)	4	4	....	5	3	....	3	5	....	1	....	....	....	....	....	1	....	1	1	2	....	....	1	....	....	....	....	1	....	4	....	....	....	....	1	....	....	....	1	2	8
10. Iliac Abscess and Appendicitis	5	5	....	7	2	1	5	5	....	....	....	....	1	1	....	3	....	....	....	1	2	....	1	....	1	....	1	....	1	....	....	....	....	4	....	2	3	....	....	....	10
Total	58	47	....	75	29	1	63	41	1	31	6	..	1	2	2	2	3	1	3	5	4	6	4	8	10	12	4	1	6	8	7	7	8	15	5	12	17	5	3	12	105
VII. GENITO URINARY SYSTEM.																																									
1. Acute Nephritis	5	3	....	5	3	....	1	6	1	....	1	....	....	....	....	....	1	....	....	....	1	....	....	3	2	....	....	....	....	1	2	....	2	1	....	....	....	1	1	8
2. Bright's Disease	14	15	....	9	19	1	4	21	4	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	6	8	5	7	1	2	2	4	4	4	1	1	4	3	..	3	1	29
3. Other Diseases of the Kidneys and Adnexa	5	4	....	3	6	....	2	6	1	....	....	....	....	....	1	....	....	1	....	1	....	3	....	....	....	....	1	3	....	1	....	....	1	1	2	1	....	1	2	....	....	9
4. Vesical Calculi	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1
5. Diseases of the Bladder	7	....	....	1	6	....	1	6	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	2	3	....	....	1	2	1	....	....	1	....	....	2	....	7
6. Disease of the Male Genital Organs	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Metritis	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
8. Other Diseases of the Uterus	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Other Diseases of Female Genital Organs	....	2	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	2
Total	32	25	....	20	36	1	8	42	7	....	1	..	..	..	1	1	..	1	2	4	1	1	11	12	8	13	1	4	5	9	6	7	4	3	4	4	2	6	3	57
VIII. PUERPERAL DISEASES.																																									
1. Puerperal Septicæmia	....	2	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	2
2. Puerperal Albuminuria and Convul.	....	2	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	2

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CAUSES OF DEATHS BY COUNTIES IN 1902.—MUSKOKA.- Population, 21,180– (Including municipalities of all classes).

General Diseases.	Sex.			Nativity.			Soc. con.			Ages.																								Months.												Totals.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	January.	February.	March.	April	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.																												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	11
I. COMMUNICABLE DISEASES.																																													
1 Typhoid Fever	7	1	....	6	1	1	1	6	1	....	....	....	....	....	....	....	....	1	1	1	2	1	....	2	....	....	....	....	1	1	1	....	....	1	1	2	1	....	....	....	8
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	1	....	1	2	....	....	....	1	....	10
4. Scarlet Fever	7	3	....	9	....	1	10	....	....	....	2	....	1	1	2	2	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	1	....	....	....	5
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Diphtheria and Croup	2	3	....	5	....	....	5	....	....	....	....	....	....	1	2	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	1	....	....	1	1	....	....	5
7. Influenza	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	17	7	....	21	1	2	17	6	1	1	2	....	1	2	4	3	....	3	1	1	2	1	....	2	....	....	....	1	1	1	6	2	....	2	3	2	3	1	1	2	24
II. OTHER GENERAL DISEASES.																																													
1. Pyæmia and Septicæmia	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	9	8	....	13	4	....	9	7	1	....	....	....	....	....	1	....	....	3	4	5	2	....	2	....	....	....	....	....	5	....	1	....	5	....	....	2	....	2	....	2	17
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	2	5	....	1	4	2	1	5	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	4	....	....	1	....	....	2	....	....	....	1	....	1	....	....	3	7
6. Rheumatism and Gout	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
7. Diabetes	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	13	14	....	17	8	2	11	14	2	....	....	....	....	....	1	....	1	3	5	5	2	....	2	2	5	....	....	1	6	....	3	....	5	....	2	2	1	2	1	5	27
Local Diseases.																																													
III. NERVOUS SYSTEM.																																													
1. Encephalitis	1	1	....	2	....	....	2	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	2
2. Simple Meningitis	2	1	....	3	....	....	3	....	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	3
3 Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Congestion and Hemorrhage of Brain	5	3	....	....	8	....	1	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	5	2	....	....	....	....	2	2	....	....	2	1	1	....	....	....	8
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Paralysis without specified cause	4	6	....	6	3	1	4	6	....	....	....	....	....	....	1	....	....	2	....	....	....	....	1	1	1	2	2	....	1	....	1	1	....	1	3	1	....	....	1	1	10
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Convulsions (not puerperal)	3	6	....	9	....	....	7	2	....	7	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	2	1	1	1	....	1	9
10. Other Nervous Diseases	....	2	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	2
Total	15	19	....	22	11	1	17	17	....	7	5	....	....	....	2	1	....	2	....	....	....	1	....	2	2	6	4	2	....	3	2	6	4	....	3	7	3	3	....	2	1	34
IV. CIRCULATORY SYSTEM.																																													
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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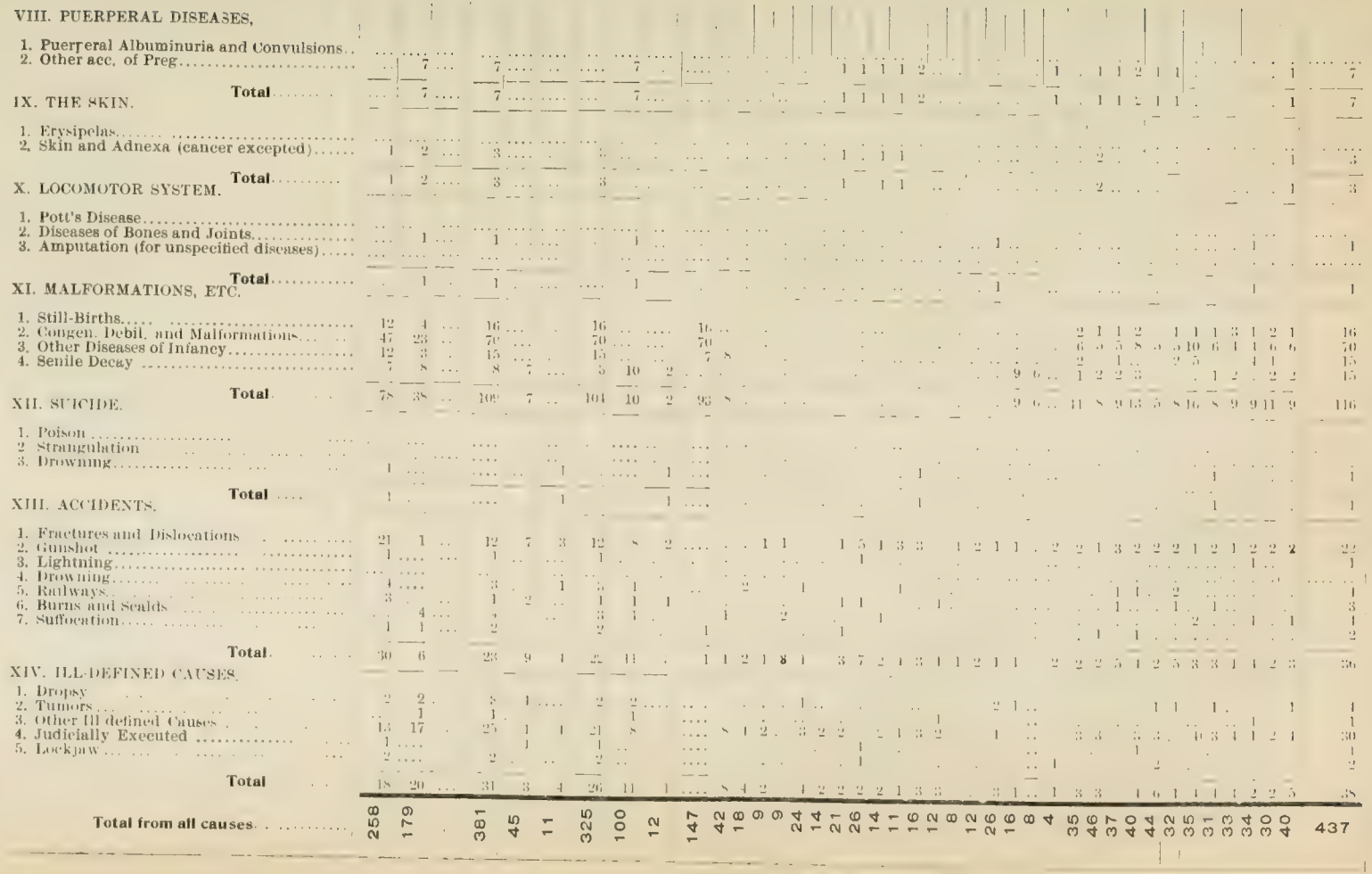
MUSKOKA. *Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)																																									
Total																																									
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of the Bones and Joints																																									
3. Amputation (for unspecified Diseases)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-Births	10	5		15			15			15																			6			2	1	2		1			1	15
2. Congen. Debility and Malformations	17	5		22			22			22																			2	1	1	2	4	1	1			4	2	22
3. Other Diseases of Infancy																																									
4. Senile Decay	12	5		5	12		1	16																		10	7		1	1	1		1		3	1	1	2	2	1	17
Total	39	15		42	12		38	16		37																10	7		9	3	5	4	6	2	5	5	3	2	6	1	54
XII. SUICIDE.																																									
1. Poison		1			1			1																	1														1	1
2. Strangulation	1				1		1											1															1								1
3. Gas Poisoning																																									
4. Drowning																																									
5. Firearms																																									
Total	1	1			2		1	1										1							1							1						1		2
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	6			3	3		1	5									1			1			1	1	1			1		1	1	1			1	1				6
2. Gunshot	2			2			2								1						1																1	1	2
3. Drowning	5	1		5		1	1	1	1			1					2	1	1			1										1	2		2		1			6
4. Electric Cars																																									1
5. Railways	1					1	1																1														1			1
6. Burns and Scalds	2			1	1		2						1									1						1									1			2
7. Poison		1		1			1							1															1											
Total	16	2		12	4	2	11	6	1		1	1	1		1		3	1	1	1	2	1	1	2	1	1			1	2	1	1	2		3	1	3	1	1	18
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	2	3		1	1		2	3			1						1				1					2			1			2					2		5
2. Tumors																																									
3. Other Ill-Defined Causes	1	5		5	1		2	3	1								1	1		2		1	1					1			1		1	1			1	1		6
Total	3	8		9	2		4	6	1		1						2	1		2	1		1	2		2		1	1		1		3	1			3	1		11
Total from all causes	136	102		171	58	9	129	104	5	55	13	1	4	3	11	7	6	11	3	12	14	5	9	15	23	22	10	2	27	12	27	17	19	20	26	23	15	16	19	17	238

CAUSES OF DEATHS BY COUNTIES, IN 1902.—NIPISSING.—Population, 27,007. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social con.			Ages.																					Months.												Total.
										Under 5.						5–9.	10–14.	15–19.	20–24.	25–29.	30–34.	35–39.	40–44.	45–49.	50–59.	60–69.	70–79.	80 and over.	Not given.	Jan.	Feb.	March	April.	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3	4.																												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever	6	5	.	9	2	.	9	2	.	.	.	.	.	.	1	1	4	2	.	1	.	.	.	2	.	.	.	1	.	1	.	2	.	.	.	2	2	.	3	.	11
2. Smallpox	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3. Measles	2	1	.	3	.	.	3	.	.	.	2	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	1	.	3	3
4. Scarlet Fever	5	8	.	11	2	.	11	2	.	1	2	1	.	.	3	1	.	1	.	.	.	2	.	.	.	.	.	.	2	3	2	.	1	4	1	.	.	.	.	.	13
5. Whooping Cough	1	1	.	2	.	.	2	.	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	2
6. Diphtheria and Croup	16	19	..	35	.	..	35	.	...	9	4	5	2	.	9	5	1	.	.	.	.	.	.	.	.	.	.	.	2	2	.	1	9	.	2	1	3	7	1	4	35
7. Influenza	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8. Other Epidemic Diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	30	34	.	60	1	.	60	4	.	11	8	7	2	2	13	8	1	5	2	.	1	2	.	.	2	.	.	.	7	5	3	1	12	4	3	1	5	9	6	8	64
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	1	..	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1
2. Malarial Fever	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3. Tuberculosis and Scrofula	7	19	.	25	1	.	8	17	1	.	.	.	.	.	.	.	5	6	4	1	3	2	1	2	2	.	.	.	1	6	2	3	1	2	1	.	1	1	2	3	26
4. Syphilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5. Cancer	3	1	..	4	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	.	.	1	.	.	.	.	.	.	.	.	1	.	1	.	1	.	4
6. Rheumatism and Gout	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1
7. Diabetes	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1
8. Other General Diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9. Alcoholism, Acute and Chronic	1	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.	.	.	.	1	.	.	.	1
Total	14	20	.	32	2	.	10	23	1	.	.	.	.	.	.	6	6	4	1	4	3	2	3	4	1	1	.	.	1	7	2	3	5	2	1	1	4	3	4	34
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	1	3	...	4	.	...	4	..	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	..	.	.	.	1	..	1	1	1	.	.	.	.	.	.	.	4
2. Simple Meningitis	2	1	..	3	.	..	3	.	.	.	.	1	.	.	1	.	.	.	.	.	1	.	.	..	.	.	.	.	..	.	.	.	.	2	.	1	.	.	.	3
3. Epidemic Cerebro-spinal Meningitis	1	1	.	2	.	.	1	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	2
4. Congestion and Hemorrhage of Brain	.	1	.	.	1	.	.	1	1	..	.	..	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1
5. Softening of the Brain	.	.	.	.	.	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6. Paralysis without specified cause	.	1	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	1
7. Insanity	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8. Epilepsy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9. Convulsions (not puerperal)	8	1	.	9	.	.	9	.	.	7	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	5	.	.	.	1	.	.	.	9
10. Other Nervous Diseases	2	.	.	2	.	.	2	.	.	..	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	2
Total	14	8	..	21	1	.	19	2	1	11	1	2	.	.	1	.	3	1	.	.	1	.	.	1	.	.	1	.	1	.	3	1	4	.	3	3	6	.	1	.	22

Number of column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	11	2		10	2	1	5	7	1								2	1		1		1	1	2				1	4	2		1		1	1		1	1	1		13
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc.																																									
6. Other Diseases of Circulatory System	2	3		5			3	2								1	2								2				1		1			2		1				5
Total	13	5		15	2	1	8	9	1							1	2	3		1		1	1	2	7			1	5	2	1	1		3	1	1	1	1		18
V. RESPIRATION.																																								
1. Acute Bronchitis	4	7		11			11			6	3				1		1											1	1	2		1	1		2	1	1		1	11
2. Chronic Bronchitis		1			1			1																1				2		1										1
3. Broncho-Pneumonia	3			3			3			1	1			1														2			1									3
4. Pneumonia	25	14		32	7		27	11	1	10	3	2	4	1	3	2	1		2	2		1	2	1	3	1	1	6	8	8	5	1	4	1		1	2	3		39
5. Pleurisy		1			1			1																	1							1								1
6. Congestion of the Lungs	1				1				1														1						1											1
7. Asthma and Emphysema		2			2			2																	1					1								1		2
8. Other Diseases of Respiratory System																																								
Total	33	25		46	12		41	15	2	17	7	2	4	2	4	2	2		2	2		1	3	2	4	3	1	7	12	12	5	4	5	1	2	1	2	2	5	58
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	1			1				1								1								1												1				1
2. Other Diseases of Stomach (cancer excepted)	4			4			4				1	1				1					1										2		1		1				4
3. Infantum Diarrhœa and Cholera Infantum	10	10		19	1		20			14	6																		1		3	2	2		4	1	2		20
4. Diarrhœa and Enteritis (not infantile)	2			2			2							2																				1	1				2
5. Dysentery																																								
6. Hernia and Intestinal obstructions	1				1			1																		1		1												1
7. Diseases of the Liver	2			1	1		1	1																	2							1					1		2
8. Peritonitis (not puerperal)	2	1		3			3				2				1																1		1		1				3
9. Iliac Abscess and Appendicitis																																								
Total	22	11		30	3		30	3		14	9	1		2	1	1					1			1	2	1		1	1		6	3	4	1	7	5	2		3	33
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	4	1		2	2	1	2	3														1	1	1	2			1				1	2				1		5
3. Other Diseases of Kidneys and Adnexa		1		1				1										1																			1		1
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	4	2		3	2	1	2	4										1				1	1	1	2			1				1	2				2		6



CAUSES OF DEATHS BY COUNTIES IN 1902.—NORFOLK.—Population, 29,438. (Including municipalities of all classes).

General Diseases.	Sex.			Nativity			Condition			Age																								Months												Totals
	Male.	Female	Not stated	Canada.	Foreign	Not stated	Single.	Married	Not stated	Under 1	1	2	3	4	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & over	Not stated	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever	1	3		3	1		1	3								1					1	1	1						1	2					1					4
2. Smallpox																																									
3. Measles	3	3		6			7	1		3					1	2			1			1								2	2		1	3							6
4. Scarlet Fever	1			1			1					1			1																					1			2		3
5. Whooping Cough										2																							1				1				2
6. Diphtheria and Croup										1					1																				1			1			2
7. Influenza		1		1				1																	1						1									2
8. Other Epidemic Diseases																																									
Total	5	15		18	2		15	5		7	1				2	4			1		1	2		2					1	2	5		2	3	1	1	1	2		2	20
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	4	7		8	3		3	8									2	2	1		2			1	1	2			2	2			3	2			2				11
2. Malarial Fever																																									
3. Tuberculosis and Scrofula	15	18		28	5		14	16	3						1	2	2	9	4	1	1	2	1		5	2			1	5	3	3	2	6	2		1	2	1	1	33
4. Syphilis																																									
5. Cancer	9	8		16	1			14	3										1			1		1		7			2	3	1		1	2	1	1	1	1		17
6. Rheumatism and Gout	2			1	1		1	1										1							1	1						1				1				2
7. Diabetes	3	2		5			3	1	1						1		2	1						1									3	2						5
8. Other General Diseases																																									
9. Alcoholism, Acute and Chronic																																									
Total	33	35		58	10		21	40	7						2	2	1	13	6	1	3	3	1	9	12	12			5	8	1	6	6	12	6	3	5	3	5	5	68
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	2	4		6			4	1	1					2						1	2			1					1				1	1	1		1		1	6
2. Simple Meningitis	3	1		3		1	3	1			1	1				1								1					1	1		1				1			4
3. Epidemic Cerebro-spinal Meningitis	1	1		2			1	1							1		1																							2
4. Congestion and Hemorrhage of Brain	10	5		13	2		1	11	3						1						2		3		2	2			2	2		3	1		1	1	3	1	15
5. Softening of the Brain	1					1		1													1											1								1
6. Paralysis without specified cause	7	8		8	7			12	3																1	9	2			1	1	3	3		2	1	1	1	2	15
7. Insanity		2		1		1		2																2								1				1				2
8. Epilepsy																																									
9. Convulsions (not puerperal)	9	5		11			14			10	2	1	1																1	1		2	2		3	1	1	1	2	11
10. Other Nervous Diseases	2	1		3			1	2														1	1		1												1		1	3
Total	35	27		50	9	3	24	31	7	10	5	2	1	2	2	1	1		1	2	4	1	7	10	11	1		1	6	5	8	11	2	6	3	5	4	2	7	62
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									

| | | |

NORFOLK.— *Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas		1		1			1			1																											1			1
2. Skin and Adnexa (cancer excepted)	1			1					1															1														1	1
Total	1	1		2			1		1	1														1													1		1	2
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease																																								
2. Diseases of Bones and Joints																																								
3. Amputation (for unspecified diseases)																																								
Total																																								
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	6	5		11			11			11																			1	2		2	1	1	1	1	1			11
2. Congen. Debil. and Malformations	9	8		17			17			17																			1	3	3	2	2	1	2	1		1	1	17
3. Other Diseases of Infancy																																								
4. Senile Decay	34	27		30	29	2	6	54	1																22	39			5	6	5	6	2	7	2	2	7	10	4	5	61
Total	49	40		58	39	2	34	54	1	28															22	39			6	10	10	8	6	9	5	4	8	11	6	6	89
XII. SUICIDE.																																								
1. Poison	1			1					1												1									1										1
2. Strangulation	1			1				1																1												1				1
3. Firearms																																								
Total	2			2				1	1												1			1					1							1			2
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	3	1		4			1	3				1									1				1		1						1		1	1	1			4
2. Gunshot	1			1			1									1																				1				1
3. Lightning	1			1				1																	1								1							1
4. Drowning	4			4			3	1								1	1					1	1												1		2	1			4
5. Bicycles																																								
6. Railways																																								
7. Burns and Scalds		1		1				1																	1												1			1
8. Poisoning	1	1		2				2																1	1												1	1		2
Total	10	3		13			5	8				1					2	1			1	1	2	1	1	2	1		1				2	1	2	2	4		1	13
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	1	5		6			2	4												1			2	1	2			2	1	1				2					6
2. Tumors	1	3		2	1	1	1	3						1										2	1			1	1	1							1			4
3. Other Ill-Defined Causes	1	1	1	3			2	1		2									1											1							2			3
4. Lockjaw	2			2			2								1	1														1										2
Total	5	9	1	13	1	1	7	8		2				1	1	1		1	1			2	3	3				5	2	4				2			3	1		15
Total from all causes	192	200	1	313	69	11	152	217	24	69	8	5	3	2	7	9	12	18	11	9	18	14	26	49	68	51		22	43	43	38	37	39	30	21	33	31	22	34	393

CAUSES OF DEATHS BY COUNTIES IN 1902—NORTHUMBERLAND AND DURHAM—POPULATION, 62,669—(including municipalities of all classes)

General Diseases.	Sex.			Nativity.			Soc'l con.			Under age.																													Months.												Total.
										Under 5.																																										
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	10.	1.	2.	3.	4	5-9.	10-14.	15-19.	20-24.	25-29	30-34	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40												41
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	7	5	..	12	..	..	6	6	..	..	..	..	..	..	..	..	2	2	1	..	1	..	2	2	1	..	..	1	..	1	..	1	1	1	..	1	3	1	3	..	12										
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
3. Measles	6	1	..	6	1	..	7	..	..	2	1	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	3	1	1	..	1	..	..	..	..	..	7										
4. Scarlet Fever	3	..	..	3	..	..	3	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	3										
5. Whooping Cough	3	4	..	7	..	..	7	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2	..	2	..	1	..	7										
6. Diphtheria and Croup	9	10	..	19	..	..	18	1	..	2	2	1	1	..	5	4	..	..	..	1	..	..	..	..	..	..	..	..	3	3	..	1	..	1	1	1	..	4	4	1	19										
7. Influenza	2	..	..	2	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	2										
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Total	30	20	..	49	1	..	43	7	..	13	1	1	6	1	6	6	2	2	1	..	2	..	2	2	1	..	..	1	5	8	1	3	2	6	3	4	3	5	9	1	50										
II. OTHER GENERAL DISEASES.																																																	
1. Pyaemia and Septicaemia	3	2	..	4	1	..	3	2	..	1	..	..	..	..	..	1	..	..	..	..	..	1	1	..	1	..	..	..	..	1	..	2	1	1	..	..	..	..	..	..	5										
2. Malarial Fever	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1										
3. Tuberculosis and Scrofula	35	55	1	77	13	1	65	36	12	..	1	..	..	1	3	7	21	11	13	1	5	10	7	2	3	2	1	..	8	5	8	7	13	11	8	4	9	6	1	8	91										
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
5. Cancer	14	13	..	15	12	..	1	26	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	2	10	11	..	..	5	..	2	2	1	5	1	2	2	..	1	6	27										
6. Rheumatism and Gout	7	6	..	9	4	..	4	9	..	..	..	..	..	..	2	..	1	1	..	..	..	..	1	2	..	5	1	..	3	..	2	2	2	..	1	..	..	1	2	13										
7. Diabetes	2	2	..	4	..	..	2	1	1	..	..	..	..	..	..	1	..	..	2	..	..	..	..	..	1	..	..	..	..	1	1	..	..	1	1	..	..	..	..	..	4										
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
Total	61	79	1	109	31	1	53	75	13	..	1	..	..	..	5	5	8	22	15	13	6	6	14	11	15	19	3	1	16	7	11	13	17	18	11	6	11	9	6	16	141										
Local Diseases.																																																	
III. NERVOUS SYSTEM.																																																	
1. Encephalitis	2	1	..	2	..	..	3	..	..	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	3										
2. Simple Meningitis	1	5	..	9	..	..	8	..	1	1	..	1	1	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	2	2	2	..	..	..	..	3	..	..	9										
3. Epidemic Cerebro-spinal Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..										
4. Congestion and Hemorrhage of Brain	12	17	..	11	18	..	5	21	..	1	..	..	..	..	..	..	..	..	..	..	..	1	2	2	8	6	9	..	1	2	3	2	..	5	1	..	2	6	1	3	29										
5. Softening of the Brain	1	1	..	2	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2										
6. Paralysis without specified cause	16	13	..	10	18	1	1	27	1	..	..	..	..	..	..	..	..	..	..	..	2	..	2	1	11	6	1	3	1	4	3	..	7	..	1	3	1	5	..	29										
7. Insanity	..	1	..	2	1	1	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	1	..	..	..	..	..	..	2	..	..	..	1	1	..	4										
8. Epilepsy	1	2	..	3	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	1	..	1	..	1	..	..	..	..	..	..	..	3										
9. Convulsions (not puerperal)	6	6	..	12	..	..	12	..	..	6	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	1	1	2	2	1	1	..	1	1	..	12										
10. Other Nervous Diseases	3	..	..	3	..	..	2	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	3										
Total	45	49	..	55	37	2	32	58	1	12	3	1	1	1	1	2	..	2	1	..	2	2	3	11	12	22	15	1	7	10	11	9	3	16	3	5	6	12	7	7	94										

COUNTY OF NORTHUMBERLAND AND DURHAM *Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis	2			2			1	1											1						1										1				1		2
3. Organic Heart Diseases	32	30		49	12	1	15	44	3					1		1	1	2	3	3	6	2			2	1	1	2	8	1	7	3	9	4	4		2		3		62
4. Angina Pectoris	1	3		2	2			1																	2	2			1	1										4
5. Arteries, Atheroma, Aneurism, etc																																								
6. Other Diseases of Circulatory System	4	1		3	2		1	1										1							1	2		1			1	2			1	1				5
Total	39	31		56	16	1	17	53	3					1		1	1	3	4	3	6	2	5	17	2	3	1	2	8	5	8	9	4		9	3		4		53
V. RESPIRATION.																																								
1. Acute Bronchitis	2	3		7	1		7	1		6	1															1				1	1	1			1	3	1		8
2. Chronic Bronchitis	3	2		2		1	1	3																1	2				1						2				4
3. Broncho-pneumonia	4			11	1		10	2		8	2														1		1		1		3	1	2		1	1	1	1		12
4. Pneumonia	38	36		49	24	1	30	58	6	10	1	1	1		3		1	1	1	1	5	2	6	9	8	8	10		9	9	7	13	12	4	1	1		3		5	74
5. Pleurisy	2			1	1			2																		2					1								2
6. Congestion of the lungs	1	4		6	2		1	4		3									1					1	1	1	1			1		3				1	1	2	7
7. Asthma and Emphysema	2				2			2																1	1										1		1			2
8. Other Diseases of Respiratory System																																								
Total	57	53		77	31	2	49	82	6	27	4	1	1		3		1	1	2	1	5	2	6	11	13	14	12		11	9	9	18	17	6	4	1	2	10	11	9	110
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	2	1		1	2			5																1	1	1			1				1					1		3
2. Other Diseases of Stomach (cancer excepted)	3	7		8	1	1	1	6										3				1		3	2	1			1	1	1		1		2		1	2	1	10
3. Infantile Diarrhœa and Cholera Infantum	7	5		11	1		1			10	2																								2	3	2	2			12
4. Diarrhœa and Enteritis (not infantile)	3	2		4	1		2	3										1	1			1			1	1					2		1	1		1			5
5. Dysentery																																								
6. Hernia and Intestinal obstructions	2	5		2	1	1	2	3										1	1	1		1		1	2	1					2		1	1		1		2		7
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	7	2		6	2	1	4	8											1	1				3	2	2								2	1	2	1	2		9
9. Peritonitis (not puerperal)	6	8		12	2		8	6		1	1				2	2	1			2		1		1	2	1	1					2	1	2	1		3	2	1	14
10. Iliac Abscess and Appendicitis	1	1		2			2								1		1																							2
Total	31	31		46	13	3	31	31		11	3				3	2	2	5	3	4		3	1	8	10	6	1		2	1	3	4		5	8	5	3	4	6		62
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	1	3		4			1								2	1										1				1					1					4
2. Bright's Disease	4	8		8	4		1	11										1	3		1	2	1			3	1		3			1	2	1	2	1	1	1		12
3. Other Diseases of Kidneys and Adnexa	2	3		3	2			5												1		1	1			1	1		1						1			1		5
4. Vesical Calculi																																								
5. Diseases of the Bladder	8	1		5	4			9													1				2	4	2		2		5	1		1		1				9
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of fem. Genital Organs																																								
Total	15	15		20	10		5	2							2	1	1	3	1	2	3	2		6	6	3		6	2	3	2	1	2	2	4	1	1	2	1	30

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CAUSES OF DEATHS BY COUNTIES IN 1902.—ONTARIO. POPULATION, 40,812.—(Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social Con.			Ages.																														Months.												Total
										Under 5.																																										
	Male.	Female.	Not Stated.	Canada.	Foreign.	Not Stated.	Single.	Married.	Not Stated.	0-1	1	2	3	4	5	5-9.	10-14.	15-19	20-24.	25-29	30-34.	35-39	40-44	45-49	50-59	60-69	70-79	80 and over.	Not Given.	January	February	March	April	May	June.	July	August	September	October	November	December												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41											
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	8	3	..	11	..	..	..	6	..	..	..	..	..	..	..	..	3	..	1	1	2	1	2	..	1	..	..	..	1	..	..	..	..	..	..	1	6	2	1	..	11											
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
3. Measles	..	2	..	2	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2											
4. Scarlet Fever	..	2	..	2	..	..	2	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2											
5. Whooping Cough	1	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1											
6. Diphtheria and Croup	3	8	..	9	1	1	11	..	..	..	1	2	..	1	2	3	1	1	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	4	3	11											
7. Influenza	2	2	..	2	2	..	1	3	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	1	2	..	..	..	..	..	..	..	..	4											
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
Total	14	17	..	27	3	1	22	9	..	2	1	2	2	2	3	3	4	2	1	1	2	1	2	..	1	1	1	..	6	1	3	1	..	..	..	1	8	2	5	4	41											
II. OTHER GENERAL DISEASES.																																																	
1. Pyaemia and Septicaemia	3	..	..	2	1	..	2	1	..	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	3											
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
3. Tuberculosis and Scrofula	23	26	3	39	12	1	36	15	1	..	1	..	..	..	..	2	8	8	6	4	7	1	3	3	4	2	..	..	9	3	7	3	4	3	1	4	5	3	1	4	52											
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
5. Cancer	12	13	..	11	13	1	3	21	1	..	..	..	..	..	..	..	..	1	..	..	1	1	1	1	5	8	4	3	1	1	..	1	1	1	1	4	1	3	6	3	25											
6. Rheumatism and Gout	3	2	..	5	..	..	3	1	1	..	..	..	..	..	1	..	1	..	..	1	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	2	..	..	1	..	5											
7. Diabetes	1	2	..	1	2	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	1	..	1	..	..	..	..	..	..	..	1	3											
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
Total	42	43	3	58	28	2	41	41	3	3	1	..	..	2	2	9	9	6	5	8	3	5	11	13	6	3	1	10	4	9	5	5	1	11	5	8	12	4	11	88											
Local Diseases.																																																	
III. NERVOUS DISEASES																																																	
1. Encephalitis	2	4	..	6	..	..	6	..	..	1	1	..	..	1	1	..	..	..	..	..	..	..	2	..	..	..	..	..	1	1	1	1	1	..	1	..	..	..	..	6											
2. Simple Meningitis	4	3	..	7	..	..	7	..	..	3	2	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	1	1	..	..	1	..	..	..	1	7											
3. Epidemic Cerebro-Spinal Meningitis	..	2	..	2	..	..	2	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2											
4. Congestion and Hemorrhage of the Brain	12	16	..	16	12	..	6	21	1	1	..	..	1	..	..	..	..	..	..	..	..	1	..	2	1	11	5	..	2	3	2	6	1	..	1	2	2	2	2	28											
5. Softening of the Brain	2	3	..	1	4	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	..	..	..	1	2	1	..	1	..	..	..	..	5											
6. Paralysis without specified cause	4	3	..	3	4	..	4	3	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	4	..	..	..	1	..	..	1	..	..	1	3	..	1	7											
7. Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											
8. Epilepsy	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1											
9. Convulsions (not puerperal)	6	6	..	12	..	..	11	1	..	10	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	..	2	3	..	1	..	2	..	..	12											
10. Other Nervous Diseases	2	1	..	3	..	..	2	1	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	2	..	..	1	..	..	..	..	..	..	3											
IV. CIRCULATORY SYSTEM. **Total**	33	3	..	51	20	..	39	31	1	15	4	1	1	1	3	1	1	2	..	2	..	1	3	3	6	11	10	..	1	10	6	12	8	1	7	3	5	5	2	8	71											
1. Pericarditis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											

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ONTARIO.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)		3		3			1	2											1		1				1				1									1			3
Total		3		3			1	2											1		1				1				1									1			3
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of the Bones and Joints	1			1			1							1																					1					1
3. Amputation (for unspecified Diseases)																																								
Total	1			1			1							1																					1					1
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	11	4		15			15			15																			2	3	2	1	1	1	1	1	2	1	1	15
2. Congen. Debility and Malformations	15	15		30			30			30																			3	2	3	2	6	1	1		2	2	2	3	30
3. Other Diseases of Infancy																																								
4. Senile Decay	33	29		17	45		8	14	10																19	45			5	3	4	3	3	6	5	5	5	14	6	3	62
Total	59	48		62	159		53	44	10	45															19	45			8	7	10	7	10	8	10	6	8	17	9	7	107
XII. SUICIDE.																																								
1. Poison																																								
2. Strangulation																																								
3. Gas Poisoning																																								
4. Drowning																																								
5. Firearms																																								
Total																																								
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	5	4		2	7		3	6						1							1			2	2	1		1		1			1	1	1	1	1	2	9
2. Drowning	4			3	1		3	1			1				1				1							1					2	1				1			4
3. Electric Cars	3			3			2	1										1		2									1	1							1		3
4. Railways	1					1			1												1												1							1
5. Burns and Scalds	3	1		4			2	2			1			1								1	1								1			1	1		1		4
6. Suffocation	1			1			1			1																		1											1
7. Poison		1		1			1			1																												1		1
Total	17	6		14	8	1	12	10	1	2	2			1	1	1		1	1	2	2	1	2	1	2	3	1		2		1	5	1	1	2	2	2	1	3	3	23
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	2				2			2																		1	1								2					2
2. Tumors	1	1			1	1		2											1							1					1			1						3
3. Other Ill-Defined Causes	3	5		8			3	5		1											2		2		2		1		3	3			1			1			8
Total	6	6		8	3	1	3	9		1									1		2		2		2	2	2			3	4			1	3		1			12
Total from all causes	275	246	3	331	182	11	260	230	34	99	14	5	4	6	15	10	17	18	17	16	19	17	21	34	56	80	74	2	51	43	46	44	45	28	56	26	42	53	40	50	524

CAUSES OF DEATHS BY COUNTIES IN 1902.—OXFORD. (Including municipalities of all classes.)—Population, 48,888.

General Diseases.	Sex.			Nativity.			Soc. con			Ages.																													Months.												Total.
										Under 5.																																										
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single	Married.	Not stated.	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 & over.	Not given.	Jan	Feb.	March	April	May	June.	July	August	Sept	Oct.	Nov.	Dec.											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	7	3	....	6	1	.	3	6	1	.	.	.	.	.	..	.	2	.	2	2	.	1	..	2	1	.	.	.	2	.	..	.	1	2	1	1	3	.	.	.	10										
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Measles	1	4	....	4	1	....	3	1	1	2	.	.	.	.	..	.	1	.	..	.	.	.	.	1	.	.	1	.	.	1	2	1	1	..	.	.	.	.	.	5										
4. Scarlet Fever	2	1	..	3	....	....	3	..	..	..	..	2	..	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	3										
5. Whooping Cough	3	5	....	8	....	....	..	..	..	6	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	1	1	..	..	3	1	..	8										
6. Diphtheria and Croup	7	5	...	12	....	...	12	..	..	..	1	..	1	..	5	2	2	..	..	..	1	..	..	..	..	..	..	..	..	3	1	1	1	..	1	..	1	..	1	3	..	12										
7. Influenza	2	4	....	4	2	....	5	1	...	1	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	3	.	.	2	1	1	.	2	..	.	.	.	.	.	.	6										
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	22	22	....	37	7	....	31	8	2	9	1	3	1	1	5	4	5	..	2	2	1	.	2	1	2	4	1	.	9	5	5	2	3	1	2	1	3	4	3	6	44										
II. OTHER GENERAL DISEASES.																																																		
1. Pyaemia and Septicaemia	3	4	....	4	3	...	2	5	....	....	..	..	..	..	..	..	1	..	1	.	..	.	.	2	1	2	.	.	.	.	1	2	1	.	.	1	.	.	2	7										
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Tuberculosis and Scrofula	21	15	....	31	5	....	16	18	2	....	....	....	....	....	....	....	3	1	3	3	8	5	2	1	2	2	..	..	2	1	3	2	4	2	4	3	3	6	3	36										
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Cancer	16	15	..	15	16	....	5	24	2	1	.	.	.	.	..	.	.	.	.	.	.	3	1	4	6	9	1	3	3	4	1	2	1	3	2	4	3	3	3	2	31										
6. Rheumatism and Gout	1	2	....	...	3	..	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	1	..	....	....	....	....	....	2	3										
7. Diabetes	1	4	...	5	..	...	1	4	...	....	....	....	....	....	....	1	....	....	....	....	....	....	1	2	1	....	....	....	.	1	2	1	....	....	....	....	....	1	..	....	5										
8. Other General Diseases	....	..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	42	40	...	55	27	....	25	52	5	1	.	.	.	.	.	1	4	1	4	3	11	7	8	15	13	8	3	.	3	7	7	7	6	8	1	8	7	7	9	9	92										
Local Diseases.																																																		
III. NERVOUS SYSTEM.																																																		
1. Encephalitis	1	...	..	.	1	....	..	1	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1										
2. Simple Meningitis	5	4	...	8	1	....	5	4	....	1	1	1	.	.	1	..	1	.	2	.	1	.	.	1	.	.	.	.	1	.	1	.	3	1	.	.	1	1	1	9										
3. Epidemic Cerebro spinal Meningitis	1	1	....	2	....	..	2	....	....	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	.	2										
4. Congestion and Hemorrhage of Brain	20	11	...	20	11	....	5	24	2	....	1	.	.	.	.	.	.	1	..	2	..	2	7	9	7	2	.	.	2	3	1	6	4	4	1	1	2	2	1	31										
5. Softening of the Brain	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	..	....	1	....	....	....	....	....	....	....	....	1										
6. Paralysis without specified cause	11	9	...	11	9	...	5	15	...	..	..	..	..	..	..	..	..	1	1	..	..	1	1	3	8	2	3	.	2	.	4	2	3	2	2	1	1	1	2	20										
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Epilepsy	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1										
9. Convulsions (not puerperal)	3	9	....	12	....	..	11	1	....	6	2	1	....	....	....	1	1	....	1	....	....	....	....	....	....	1	....	....	1	1	1	1	..	1	3	1	1	1	..	1	12										
10. Other Nervous Diseases	1	1	..	1	1	...	....	1	1	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	....	....	....	....	1	....	2										
Total	44	35	....	54	25	....	29	47	3	8	5	2	.	.	.	2	2	3	1	2	2	2	3	10	21	9	7	.	7	4	7	10	11	9	6	7	5	5	1	1	79										
IV. CIRCULATORY SYSTEM.																																																		
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										

OXFORD.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.—*Continued.*																																									
2. Endocarditis		1		1			1							1																		1									1
3. Organic Heart Diseases	19	21		20	20		9	29	2								2	1	1	1	4	2	3	1	10	8	8		3	6	1	1	8	3	5	3	2	1	2	5	40
4. Angina Pectoris	1	1		1	1			2																	1		1				1									2
5. Arteries, Atheroma, Aneurism, etc.	2			1			1																		1									1						1
6. Other Diseases of Circulatory System	5	9		12	2		2	11	1									2	1	1		2	2	1	4				3	1		5	1	2			1		1	14
Total	26	32		35	23		13	42	3					1			2	3	2	2	4	4	5	3	15	8	9		6	7	2	1	14	4	8	5	2	2	2	7	58
V. RESPIRATION.																																								
1. Acute Bronchitis	1	5		4	2		4	2		3			1													2		2							1	1		2		6
2. Chronic Bronchitis	2	3		1	4		1	4															1			2	2				1				2			1	1	5
3. Broncho-pneumonia	3	4		5	2		5	2			1	2												2		1	1		1	1	1	1	1	2						7
4. Pneumonia	24	23		27	18	2	25	20	2	6	4		1	1		1	2		3	1	1	3	3	7	7	7		9	5	6	7	4	3	1	3	1	1	1	3	47
5. Pleurisy	5	2		6	1		1	6						1								1	1	1	1	1		2	1			1	1				1		1	7
6. Congestion of the Lungs	1	2		2	1		1	2		1												1			1				1									2		3
7. Asthma and Emphysema	1	2		1	1	1	1	2																	1	1	1		1		2									3
8. Other Diseases of Respiratory System																																								
Total	37	41		46	29	3	38	38	2	10	5	2	2	2		2		1	2		3	1	3	5	6	10	12	14		15	8	10	1	6	6	1	6	3	1	5	9	78
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	3	2		4	1		3	2		1										2					1		1		1	1		1	1				1			5
3. Infantile Diarrhœa and Cholera Infantum	3	10		13			13			9	3	1																	1		1				1	1	3		2	13
4. Diarrhœa and Enteritis (not infantile)	4	3		3	4			7												1		1				2	1		2	1						1	2	1		7
5. Dysentery																																								
6. Hernia and Intestinal obstructions	5	3		6	2		1	7															2		4		1		1	2	2		1				1		1	8
7. Other Diseases of the Intestines																								1																	
8. Diseases of the Liver	2	5		3	4		3	3	1								1		1	2	1		1		2				1			1						2	2	7
9. Peritonitis (not puerperal)	2	6		8			7	1						1		2	2	2		1									2			1		1				2	1	8
10. Iliac Abscess and Appendicitis	7	3		10			7	3						3	1	1	1		1			3		2				1	1		2		1	1	1		3			10
Total	26	32		47	11		34	23	1	10	3	2		4	2	3	4	2	1	4	1	6	3	3	7	2	3		9	5	3	5	2	2	3	2	6	10	6	5	58
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	2	1		3			3			1			1					1														1	1				1				3
2. Bright's Disease	10	3		10	3		4	8	1										1		1	2	2	2	2	3		1	1	2	2	1		3			1	2		13
3. Other Diseases of Kidneys and Adnexa	1	3		3	1			3	1										1	1			1	1							1	1	1							4
4. Vesical Calculi																																								
5. Diseases of the Bladder	1	1			2			2																		1	1		1					1						2
6. Metritis																																								
7. Ovarian Cysts and Ovarian Tumors		1		1				1																1								1								1
Total	14	9		17	6		7	14	2	1			1					1	1	2		1	4	3	2	3	4		1	2	3	4	3	1	1	1	1	2		23
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia																																								

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CAUSES OF DEATHS BY COUNTIES, IN 1902.—PARRY SOUND.—(Including municipalities of all classes.)—POPULATION, 25,185.

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																								Months.												
										Under 5.																																						
Number of Column.	Male.	Female.	Not stated.	Canadia.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5-9.	10-14	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	3	1	....	6	1	....	1	3	..	..	..	..	1	..	..	1	1	1	..	..	..	2	..	..	1	..	..	..	..	3	1	..	..	..	..	2	..	1	..	7										
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Measles	1	..	....	....	..	1	1	..	..	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1										
4. Scarlet Fever	2	8	....	10	....	....	10	....	....	2	2	2	....	....	2	1	..	1	..	....	....	....	....	....	....	....	....	....	2	3	1	2	....	1	....	....	....	1	10										
5. Whooping Cough	1	1	....	2	..	....	2	....	....	2	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	2										
6. Diphtheria and Croup	6	2	...	8	....	....	6	2	...	1	..	2	..	2	..	1	1	....	....	....	....	....	....	....	....	1	....	....	2	1	....	....	....	....	....	1	2	1	1	8										
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Other Epidemic Diseases	1	2	..	3	..	...	3	..	..	1	..	..	..	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	....	3										
Total	14	17	....	29	1	1	26	5	....	6	2	6	1	2	3	3	2	2	....	....	1	2	..	....	1	1	..	....	4	9	3	..	2	..	1	..	3	2	4	3	31										
II. OTHER GENERAL DISEASES.																																															
1. Pyæmia and Septicæmia	1	1	..	2	....	....	1	1	..	1	..	..	..	..	..	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	2										
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Tuberculosis and Scrofula	7	9	....	12	4	....	6	7	3	1	..	1	1	..	..	....	2	1	2	3	....	3	..	2	....	....	....	....	3	....	2	2	2	2	1	1	2	..	1	16										
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Cancer	1	6	....	5	2	..	....	7	..	....	..	..	..	..	..	....	....	....	....	....	....	1	2	2	1	1	....	....	1	....	2	1	3	....	....	1	....	....	....	7										
6. Rheumatism and Gout	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1										
7. Diabetes	1	1	....	2	....	....	2	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	2										
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Alcoholism, Acute and Chronic	2	..	...	2	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	1	....	....	....	1	....	....	....	....	1	....	....	....	2										
Total	13	17	..	24	6	....	9	16	5	2	..	1	1	..	..	1	2	2	2	4	1	1	3	5	1	1	1	..	5	2	1	6	2	2	1	2	5	..	1	30										
Local Diseases.																																															
III. NERVOUS SYSTEM.																																															
1. Encephalitis	3	...	...	3	....	....	3	..	....	....	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	3										
2. Simple Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Epidemic Cerebro-spinal Meningitis	....	1	..	1	....	....	1	..	....	1	..	..	..	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1										
4. Congestion and Hemorrhage of Brain	1	5	..	3	3	....	..	5	1	....	..	..	..	..	..	....	....	....	....	....	....	1	....	3	1	1	..	....	1	1	1	..	....	2	..	..	....	..	....	6										
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
6. Paralysis without specific cause	....	3	....	2	1	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	....	....	1	....	....	....	....	....	1	..	1	..	3										
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Convulsions (not puerperal)	7	5	...	10	2	....	12	....	....	9	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	..	..	2	2	1	..	1	..	2	2	12										
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	11	14	....	19	6	....	16	8	1	10	1	2	..	..	1	..	..	..	..	..	..	2	..	4	1	2	..	..	3	1	2	2	3	3	1	2	1	1	3	3	25										
IV. CIRCULATORY SYSTEM.																																															
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										

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Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)		1			1			1																		1									1						1
Total		1			1			1																		1									1						1
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of Bones and Joints																																									
3. Amputation (for unspecified disease)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-Births	10	6		16			16			16		1																		1	2	4		2	3	1		3	2	16
2. Congen. Debil. and Malformations	19	17		36			34	2		36																			2	4	8	2		5	3	1	1	1	4	36
3. Other Diseases of Infancy																																								
4. Senile Decay	6	5		9	5	1	2	7	2																1	3	6	1	2		1	1	2		1		2	2		11
Total	35	28		57	5	1	52	9	2	52		1													1	3	6	1	4	4	9	5	5	9	6	6	1	2	4	8	63
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
Total																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	7			3	4		1	6									2	1	1		1			1	1							1	3	1	1			1		7
2. Gunshot	2			2			2												1		1															2				2
3. Lightning																																									
4. Drowning	10	2		7	3	2	9	2	1			1				1	2	1	1		2		1						1	1	2	1	1	1	1	1				12
5. Electric Cars																																									
6. Railways																																									
7. Burns and Scalds		3		1	2		3				1											2									1		1	1					3
8. Suffocation	1			1			1			1																			1											1
Total	20	5		14	9	2	16	8	1	1	1	1			1	1	4	2	6		1	2		2	1				2	1	2	3	4	6	3	3			1	25
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy	4	3		5	2		3	4										1					2	1		2	1		1		3					1	1	1	7
2. Tumors	1				1			1																	1										1					1
3. Other Ill-Defined Causes	10	9		15	3	1	13	5	1	8	1		1		1			1	1	1		1		1	2	1			1	1	1	2	2	3		1	3	4		1	19
Total	15	12		20	6	1	16	10	1	8	1		1		1			2	1	1		1	2	2	3	3	1		2	1	1	5	2	3	1	1	3	5	1	2	27
Total from all causes	148	138		229	51	6	182	92	12	99	14	10	5	2	8	12	9	13	11	11	8	12	9	15	22	11	14	1	27	28	30	27	29	23	24	20	22	14	19	23	286

CAUSES OF DEATHS BY COUNTIES IN 1902.—PEEL—(Including municipalities of all classes.)—POPULATION, 21,689.

General Diseases.	Sex.			Nativity.			Soc'l Con.			Ages.																												Months.												Total.
										Under 5.																																									
	Male.	Female.	Not sta.	Canada.	Foreign.	Not. sta.	Single.	Married.	Not sta.	0-1	1	2	3	4	5-9	10-14.	15-19	20-24	25-29.	30-34.	35-39.	40-44	45-49.	50-59	60-69.	70-79.	80 and over	Not given	Jan.	Feb.	March.	April	May	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40											41
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	1	..	..	1	..	..	1	..	..	.	.	..	..	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.											1
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
3. Measles	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
4. Scarlet Fever	..	1	..	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..											1
5. Whooping Cough	2	1	..	3	..	..	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..											3
6. Diphtheria and Croup	2	1	..	3	..	..	2	..	1	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	..	..											3
7. Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
Total	3	3	.	7	1	..	7	.	1	3	.	.	1	2	..	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	2	2	2	.											8
II. OTHER GENERAL DISEASES.																																																
1. Pyaemia and Septicaemia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
3. Tuberculosis and Scrofula	14	11	.	21	1	3	11	7	4	2	2	.	.	.	2	4	3	3	3	3	3	1	.	1	1	.	.	.	4	4	1	2	1	2	2	2	.	.	1	2											25
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
5. Cancer	2	3	.	3	1	1	.	4	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	1	2	.	.	1	.	.	.	1	1	.	.	1	1	.											5
6. Rheumatism and Gout	2	..	.	1	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	1	..											2
7. Diabetes	1	2	..	1	1	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	1	.	..	..	..	2	..	..	..	..	..	..	..	..	1	1	1	..	..											3
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
Total	19	16	..	26	4	5	11	15	6	2	.	2	.	.	.	2	4	3	3	4	4	1	1	1	3	6	.	.	6	4	1	6	2	1	4	4	..	1	1	3	2								35
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	.	..	..	..	..	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
2. Simple Meningitis	.	.	..	..	..	..	..	..	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
3. Epidemic Cerebro-spinal Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
4. Congestion and Hemorrhage of Brain	1	3	..	..	1	..	..	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	3	.	.	.	.	.	2	1	.	1	.	.	.	.	.											4
5. Softening of the Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
6. Paralysis without specified cause	7	1	..	2	3	4	1	5	3	..	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1	1	1	.	.	1	1	1	1	.	1	.	.	1	.											9
7. Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
8. Epilepsy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..											..
9. Convulsions (not puerperal)	3	2	..	5	.	..	5	.	..	3	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	.											5
10. Other Nervous Diseases	1	1	..	2	..	..	.	1	1	..	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	1	.	.	.	1	.											2
Total	12	8	..	9	7	4	6	10	4	3	1	.	.	.	.	.	.	.	.	.	.	1	2	2	8	1	1	.	3	3	2	2	1	1	2	1	2	1											20

PEEL.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	15	12		13	9	3	11	10	1								1	2		1		1	1	3	4	6	6		1	2	2	2	1	1		4	1		3	5	25
4. Angina Pectoris	1				1			1																			1														1
5. Arteries, Atheroma, Aneurism, etc.	4	2		3	1	2		4	2															1		2	3					1	1	1			1	1	1		6
6. Other Diseases of Circulatory System	3	1		2	2			3	1														1	1	1	1					2						1	1			4
Total	21	15		18	13	5	11	18	7								1	2		1		1	2	5	5	9	10		1	2	4	3	5	2		4	3	2	4	6	36
V. RESPIRATION.																																								
1. Acute Bronchitis	1			1			1			1																						1								1
2. Chronic Bronchitis	1	2			3			3																		2	1			1			2							3
3. Broncho Pneumonia		1			1			1																		1														1
4. Pneumonia	9	4		8	2	3	2	7	1	1						1	1					1	1	4	3		1	1	3	1	2	1	2			1	1	1		13
5. Pleurisy		1			1				1										1																					1
6. Congestion of the Lungs					1																																		
7. Asthma and Emphysema	1							1																1														1		1
8. Other Diseases of Respiratory System																																								
Total	12	8		9	8	3	4	12	5	2						1	1	1				1	2	4	6	1	1	1	4	1	3	2	4		1		1	1	2	20
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach		1			1		1													1													1							1
2. Other Diseases of Stomach (cancer excepted)	2	1			1	2		1	2													1		1	1					2	1								3
3. Infantile Diarrhœa and Cholera Infantum	1			1			1					1																							1				1
4. Diarrhœa and Enteritis (not infantile)	1					1	1																	1												1			1
5. Dysentery																																								
6. Hernia and Intestinal obstructions	1				1			1																		1												1		1
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver																																								
9. Peritonitis (not puerperal)		1				1		1											1													1								1
10. Iliac Abscess and Appendicitis	4			3	1		1	3												1	1		1		1								1	1			1	1	4
Total	9	3		4	4	4	4	5	3			1						1	1	2		2		3	2				2	2	1	2		1	1	1		2	12
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	3	1		4			3	1							2	1						1		1					1			3							4
2. Bright's Disease	5	1		3	2	1	1	3	2												1		1	4					2				1	1	1	1			6
3. Other Diseases of Kidneys and Adnexa	3	1		3		1	1	2	1											1				1	2		1						1		1	1			4
4. Vesical Calculi																																								
5. Diseases of the Bladder	1				1				1																	1				1										1
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
Total	12	3		10	3	2	5	9	4						2	1				1		1	1	1	5	3			1	4			3	2		2	2	1		15

	138	97	130	72	33	84	113	38	35	2	3	1	5	2	6	7	9	6	8	8	14	9	11	27	50	38	2	17	24	12	20	21	26	17	20	15	21	16	26	235
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia	1	1	....	2	....	..	....	....	2	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	2
2. Puerperal Albuminuria and Convulsions	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Other acc. of Pregnancy, sudden death	....	1	....	....	....	....	1	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Puerperal Disease of the Breast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	1	2	....	2	....	1	....	....	3	....	....	....	....	....	....	1	....	....	....	....	2	....	....	1	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	3
IX. THE SKIN.																																							
1. Erysipelas	1	1	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	2
2. Skin and Adnexa (cancer excepted)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	2
Total	1	1	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	1	1	....	....	....	....	....	1	1	....	....	4
X. LOCOMOTOR SYSTEM.																																							
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Diseases of Bones and Joints	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
3. Amputation (for unspecified diseases)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
XI. MALFORMATIONS, ETC.																																							
1. Still Births	....	1	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
2. Congen. Debility and Malformations	16	8	....	21	....	....	24	....	....	21	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	3	2	4	1	1	1	....	....	....	....	24
3. Other Diseases of Infancy	19	22	....	15	25	8	2	33	6	....	....	....	....	....	....	....	....	....	....	....	16	25	....	....	....	....	....	....	3	6	2	2	3	8	3	4	2	5	....	41
Total	35	31	....	30	26	8	27	33	6	25	....	....	....	....	....	....	....	....	....	....	16	25	....	....	....	....	....	....	5	6	2	3	4	9	4	5	2	6	....	66
XII. SUICIDE.																																							
1. Poison	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Drowning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Firearms	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
XIII. ACCIDENTS.																																							
1. Fractures and Dislocations	1	....	....	1	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
2. Gunshot	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
3. Drowning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Bicycles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Railways	2	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	2
6. Burns and Scalds	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Homicide	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
Total	4	....	....	2	....	1	3	....	1	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	5
XIV. ILL DEFINED CAUSES.																																							
1. Dropsy	1	2	....	1	3	....	3	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	4
2. Tumors	1	1	....	3	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
3. Other Ill Defined Causes	3	4	....	4	1	....	1	3	....	3	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	1
Total	5	7	....	8	4	....	5	4	....	4	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	2	....	....	....	2	....	....	....	....	....	6
Total from all causes	138	97	130	72	33	84	113	38	35	2	3	1	5	2	6	7	9	6	8	8	14	9	11	27	50	38	2	17	24	12	20	21	26	17	20	15	21	16	26	235

CAUSES OF DEATHS BY COUNTIES IN 1902. PERTH. (Including municipalities of all classes)—POPULATION, 50,369.

General Diseases.	Sex.			Nativity			Social cond.			Ages																								Months												Total
										Under 5.																																						
	Male.	Female.	Not stated.	Canada.	Foreign	Not stated	Single	Married.	Not stated.	0	1.	1	2.	3	4	5-9	10-14	15-19	20-24.	25-29	30-34	35-39	40-44	45-49.	50-59	60-69	70-79	80 and over.	Not given	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																													
1 Typhoid Fever	4	1		4	1		1	4												2	2				1				2		1							2				5
2 Smallpox																																												
3 Measles	1	1		2				2												2										1	1												2
4. Scarlet Fever	1	1		1	1		2						2																1					1								2
5 Whooping Cough	2	3		5			5				4		1																		3	1							1			5
6. Diphtheria and Croup	1	2		3			3					1		1		1														1													3
7. Influenza	3	3		3	3		2	1		1		1												1		1	1	1		2	1		2	1								6
8. Other Epidemic Diseases																																												
Total	12	11		18			13	10				1	1	1		1				1	2		1		2	1	1		2	1	2	7	2			1			2	3		25
II. OTHER GENERAL DISEASES.																																												
1. Pyæmia and Septicæmia	2	2		3	1		2	2												1	1				1	1					2						1			1		4
2 Malarial Fever																																												
3. Tuberculosis and Scrofula	21	26		15	9		25	21	1	1	2	1		2	2	1	6	10	8	3	3	1	2	2	2	1		6	7	7	2	4	7	3	4		5	2	3		50
4. Syphilis																																												
5. Cancer	21	22		18	25		3	39	1												2	3	3	6	11	11	7		1	2	8	4	1	3	3	3	3	2	4	3		43
6. Rheumatism and Gout																																												
7 Diabetes	3	3		2	4		1	5								1			2					1	2				1			1	1		1				2		6
8. Other General Diseases																																												
9 Alcoholism, Acute and Chronic																																												
Total	40	53		68	35		31	70	2	1	2	1		2	3	1	6	12	9	6	6	7	10	16	13	8		11	9	17	6	9	11	6	8	1	7	6	9		103
Local Diseases.																																												
III. NERVOUS SYSTEM.																																											
1 Encephalitis	1	1		1	1		1	1								1									1								1		1							2
2. Simple Meningitis	4	9		11	2		12	1			5	2		1	1	2								1	1				1	1	1	2		1	1	1	2		1	2	13
3. Epidemic Cerebro-spinal Meningitis	2			2			1	1					1			1																	1				1				2
4. Congestion and Hemorrhage of Brain	17	12		1	24	1	3	26										1				1	1	3	3	8	11	1	5	1	3	1	1	2	4	1	3	2	1	5	29
5. Softening of the Brain	3	3		2	4		2	4													1				4	1				1		1	1	1	1						6
6. Paralysis without specified cause	7	3		1	6			10															1		5	4			2		1	2	1			1	1	1			10
7. Insanity																																												
8. Epilepsy	1				1			1																1						1												1
9. Convulsions (not puerperal)	8	2		10			10				9	1																	1		1		1	1	1	1					10
10. Other Nervous Diseases	2	1			3		3																	1	1		1				1		1	1							3
Total	15	31		31	41	1	29	17			14	2	2	1	1	4		1		1	1	2	6	15	16	13	1	9	4	4	5	6	7	11	6	8	1	4	8		76
IV. CIRCULATORY SYSTEM.																																												
1. Pericarditis		1		1				1																	1																1

| | | |

PERTH.—*Continued.*

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	1	..	...	..	1		1	..	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1
2. Skin and Adnexa (cancer excepted)	.	1	....	1	..	.	...	1	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	..	.	.	.	.	.	.	.	.	.	1
Total	1	1	...	1	1	...	1	1	..	....														1	1			.	.	1	1									2
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	...	...	...	..	...	.	....			...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	...
2. Diseases of Bones and Joints	..	...	...	.	...	..	....			..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.....
3. Amputation (not unspecified Dis.)	...	.	.	.	.	....	.			...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.....
Total	.	...	....	.		...	...			....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.....
XI. MALFORMATIONS, ETC.																																									
1. Still-births	13	6	.	19	....		19	.	...	19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	1	1	2	..	2	2	3	3	1	19
2. Congen. Debility and Malformations	25	13	.	36	..	...	36	...	....	36	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	5	6	2	1	2	3	3	2	1	1	36
3. Other Diseases of Infancy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Senile Decay	11	35	...	1	72	...	..	76	....	..															28	18	.	9	5	2	6	2	6	6	4	7	8	9	12	76
Total	77	54	....	59	72	...	55	76	..	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.	28	18		12	8	9	13	5	12	8	9	12	13	16	11	131
XII. SUICIDE.																																								
1. Poison	.	..	...	...	...	...	..	...	...	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
2. Strangulation	.	...	...	...	.	...	..	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
3. Gas-Poisoning	.	...	....	...	...	...	...	...	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.....
4. Drowning	.	...	.	...	...	...	...	..	..	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	....
5. Firearms	.	...	...	...	...	...	..	..	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
Total	....	...	...	...	...	....	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.....
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	4	2	...	3	3	....	1	5	...	...	.	...	.	.	1	.	.	.	.	.	.	1	.	1	.	1	1	1	.	1	.	1	.	2	1	.	1	.	.	.	6
2. Gunshot	1	....	....	1	...	...	1	....	..	...	.	.	.	.	.	.	1	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1
3. Drowning	.	...	....	....	..	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.....
4. Suffocation	.	1	.	1	.	.	1	...	.	...	.	.	.	.	.	1	.	.	.	.	.	..	.	.	.	.	.	8	.	.	1	.	.	.	.	.	.	.	.	.	1
5. Railways	1	.	...	1	....	...	1	...	.	...	.	.	.	.	.	.	1	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1
6. Burns and Scalds	..	1	..	1	...	..	1	.	...	.	.	.	1	.	.	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	..	1
7. Poison	.	1	.	1	...	....	1	...	....	.	.	.	.	.	.	.	.	1	.	.	.	..	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1
Total	6	5	....	8	3	....	6	5	...	.....	.	.	1	.	1	1	2	1	....	1	.	1	.	.	1	1	1	..	.	1	1	2	..	2	1	.	3	1	.	..	11
XIV. ILL DEFINED CAUSES.																																								
1. Dropsy	6	3	....	5	4	...	....	8	1	.....	.	.	.	.	.	1	.	.	.	.	.	.	1	.	1	3	3	.	2	1	2	.	1	.	1	.	.	.	1	1	9
2. Tumors	5	6	....	5	6	...	3	8	...	.....	.	.	.	1	.	.	1	.	.	2	.	2	.	2	1	1	.	1	1	2	2	.	.	2	.	1	.	.	.	2	11
3. Other Ill Defined Causes	6	4	....	6	3	1	6	4	...	2	1	1	.	.	.	1	1	.	.	1	.	.	.	1	.	1	1	.	2	1	.	1	.	2	.	.	2	1	1		10
Total	17	13	....	16	13	1	9	20	1	2	1	1	1	.	.	2	2	.	3	.	2	1	3	2	5	4	1	5	4	4	.	2	2	3	1	1	2	2	1	30
Total from all causes	303	251	..	301	250	3	215	333	6	103	12	10	6	5	10	15	10	8	15	22	19	13	18	23	60	108	94	3	59	53	60	52	40	48	45	37	38	32	35	55	554

CAUSES OF DEATHS BY COUNTIES IN 1902—PETERBOROUGH.—Population, 36,426. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity			Social condition.			Ages.																											Months.												Total.
										Under 5.																																									
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0	1	2	3	4	5-9	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	1	1	...	2	..	.	1	1	...	....	.	.	.	.	.	.	.	1	1	..	.	..	.	.	.	.	.	.	.	1	..	1	.	...	.	.	.	.	.	2
2. Smallpox	...	...	...	...	...	...	...	...	...	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
3. Measles	1	3	..	4	..	..	1	..	....	....	2	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	13	4
4. Scarlet Fever	5	8	...	12	1	....	13	..	..	....	.	3	1	1	6	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2	1	9	13
5. Whooping Cough	2	4	....	6	....	..	6	..	..	2	.	.	3	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	.	1	2	6
6. Diphtheria and Croup	19	17	..	33	3	..	36	..	...	2	3	2	1	7	16	4	1	.	.	.	.	.	.	.	.	.	.	.	3	4	1	1	2	1	2	1	5	5	2	6	36
7. Influenza	2	1	..	1	2	.	1	2	..	..	.	.	.	.	.	.	.	.	.	..	.	.	.	1	1	1	.	.	1	1	.	.	1	.	.	.	.	.	.	.	3
8. Other Epidemic Diseases	..	..	....	..	..	..	..	..	..	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
Total	30	34	..	58	6	.	61	3	..	4	5	6	5	9	23	6	1	1	1	.	.	.	.	1	1	1	.	.	4	6	5	2	2	2	2	4	6	7	5	19	61
II. OTHER GENERAL DISEASES.																																															
1. Pyæmia and Septicæmia	..	3	....	2	1	...	.	3	..	...	.	.	.	.	.	.	.	2	.	1	.	.	.	.	.	.	.	.	.	.	1	.	2	.	.	.	.	.	.	.	3
2. Malarial Fever	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
3. Tuberculosis and Scrofula	22	22	..	38	6	.	24	19	1	2	.	.	.	.	1	1	1	9	6	6	5	2	2	4	1	1	.	.	4	6	2	3	3	4	3	3	7	2	3	3	44
4. Syphilis	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
5. Cancer	5	6	...	8	3	...	1	10	...	...	.	.	.	.	.	.	.	.	.	.	1	2	.	1	4	1	2	.	2	2	.	.	3	1	1	.	1	1	.	11
6. Rheumatism and Gout	1	3	...	2	2	...	2	2	...	...	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	3	.	.	.	1	.	.	.	.	.	.	.	.	3	4
7. Diabetes	2	1	...	3	.	....	1	2	....	...	.	.	.	.	.	.	1	.	.	.	.	.	.	1	1	.	.	.	1	.	.	.	.	.	.	.	.	1	1	3
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
9. Alcoholism, Acute and Chronic	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
Total	30	35	....	53	12	...	28	36	1	2	.	.	.	.	1	1	6	11	6	7	6	4	3	6	6	4	2	.	7	9	3	3	5	7	4	1	7	3	5	8	65
Local Diseases.																																															
III. NERVOUS SYSTEM.																																															
1. Encephalitis	1	..	...	1	...	.	1	....	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
2. Simple Meningitis	5	2	....	7	...	...	7	...	....	.	2	1	.	1	1	1	.	.	1	.	.	.	.	.	.	.	.	.	3	.	.	.	1	..	1	.	.	1	1	.	7
3. Epidemic Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...
4. Congestion & Hemorrhage of Brain	9	7	..	7	9	....	...	15	1	...	.	.	.	.	.	.	.	.	1	.	.	.	3	2	3	5	2	.	4	2	1	.	2	2	2	.	1	.	2	16
5. Softening of Brain	1	..	...	...	1	.	...	1	....	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
6. Paralysis without specified cause	4	3	..	4	3	.	2	4	1	..	.	.	.	1	.	.	.	.	.	.	.	.	.	2	.	4	.	.	.	.	2	.	1	.	1	1	.	.	2	7
7. Insanity	...	1	..	1	...	...	...	1	....	...	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
8. Epilepsy	2	..	...	2	...	...	2	...	....	...	.	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	2
9. Convulsions (not puerperal)	8	1	..	9	..	...	9	...	....	7	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	2	1	.	1	2	2	1	.	.	.	9
10. Other Nervous Diseases	3	....	..	3	..	.	.	3	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1	.	.	.	.	2	.	.	.	1	.	.	.	.	.	3
Total	33	14	....	24	13	....	21	24	2	10	3	.	1	2	1	.	.	2	1	.	3	4	5	3	10	2	.	9	5	4	2	4	5	6	2	2	1	2	5	47

PETERBOROUGH. *Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis		1		1				1													1																			1	
3. Organic Heart Diseases	10	9		11	8		9	10				1					2		1	3	1	2	2	2	5			3	3		3	2		3		1	1	2	1	19
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc.	1			1				1																	1										1					1
6. Other Diseases of Circulatory System	3	2		3	2		1	4									1					1		1		2		1		1						1		1	5
Total	14	12		16	10		10	16				1					3		1	3	1	3	2	4	6	2		4	3	1	3	2	1	1	1	1	3	2		26
V. RESPIRATION.																																								
1. Acute Bronchitis	9	1		10			10			5	2			1	1	1																2	1		1		1	2	2	10
2. Chronic Bronchitis	3	4		3	1		1	6		1															1	4	1		1	1		2					1	2	2	7
3. Broncho-pneumonia	3	7		8	2		8	2		4	1		2	1												1	1		1				1					2	4	10
4. Pneumonia	8	11		16	3		12	7		5	1	1		1	2			1			1	1		1	4		1		1	3	3		3		1	1	1	2	3	19
5. Pleurisy		1		1				1																																1
6. Congestion of the Lungs	4	4		7	1		6	2		1			1			2	2	1											1	2		1	1		1		1	1		8
7. Asthma Emphysema	2	1		3			2	1								2									1									1	1			1			3
8. Other Diseases of the Respiratory System																																								
Total	29	29		48	10		39	19		16	4	1	3	3	3	5	2	2			1	1	1	2	6	5	3		3	6	1	7	5	3	3	2	2	3	8	12	58
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach		2		1	1			2										1							1											1		1	2
2. Other Dis. of the Stomach (cancer excepted)	2	1		3	3		3	3			1										1	1	1	1	1	1			1		1	1				1		2	6
3. Infantile Diarrhœa and Cholera Infantum	7	7		12	1		12	1		9	3	1																								4	4	3		13
4. Diarrhœa and Enteritis (not infantile)																																								
5. Hernia and Intestinal obstructions	2	2		1	3		2	2															1			1	2						2	1	1					4
6. Other Diseases of the Intestines	1			1				1												1																1				1
7. Diseases of the Liver	4	3		5	2		2	5									1			1		2	2	1				2	1			2		1					7
8. Peritonitis (not puerperal)	2	7		8	1		5	4					1		1	1	1	2		2				1				3	1			1	1					3	9
9. Iliac Abscess and Appendicitis		3		2	1		2	1									1	1						1									1					2	3
Total	17	28		32	12		26	19		9	4	1	1		1	1	2	5		1		1	2	3	4	2	3		6	3	2	1	7	3	2	3	6	1	3	8	45
VII. GENITO-URINARY SYSTEM																																								
1. Acute Nephritis	1	3		3	1			1												1				1		2			1	1					1	1			1	4
2. Bright's Disease	6	2		4	4		2	6														1	1	2	3	1			1	1	1			2				2	1	8
3. Other Diseases of Kidneys and Adnexa	1	2		5	1		1	5			1											1	3			1			1			1			1		1		1	6
4. Vesical Calculi	1				1			1																	1														1	1
5. Diseases of the Bladder	1			1			1										1															1								1
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	13	7		13	7		4	16		1							1			1			2	5	3	5	2		3	2	2	1		2	2	2	1	2	3	20

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CAUSES OF DEATHS BY COUNTIES IN 1902.—PRESCOTT AND RUSSELL.—(Including municipalities of all classes.) POPULATION, 47,790.

General Diseases.	Sex.			Nativity.			Social con			Ages.																													Months.												Total
										Under 5.																																										
	Male	Female	Not stated.	Canada.	Foreign.	Not stated.	Single	Married	Not stated.	0.1	1.	2	3	4	5-9.	10-14	15-19.	20-24	25-29.	30-34.	35-39.	40-44.	45-49	50-59	60-69.	70-79	80 & over.	Not given.	Jan.	Feb.	March.	April	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																																
1. Typhoid Fever	1	7	...	8	...	...	4	4	....	...	.	.	.	.	.	2	.	5	.	.	.	1	.	.	.	.	.	.	2	.	.	1	.	3	.	.	1	.	1		8
2. Smallpox	1	...	...	1	...	...	1	...	....	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.		1
3. Measles	4	5	...	9	....	..	9	...	....	1	4	.	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	1	1	.	.	.	.	2		9
4. Scarlet Fever	6	6	...	12	....	...	12	...	...	3	2	1	3	1	2	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1	5	1	1	.	1	.	.	.		12
5. Whooping Cough	5	13	..	18	....	....	18	...	...	9	7	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	3	1	.	1	3	8	.	.	.		18
6. Diphtheria and Croup	11	10	....	21	...	...	21	...	...	2	1	5	5	2	1	2	.	.	.	.	.	.	.	.	.	.	.	.	1	5	5	.	1	1	.	.	.	2	1	5		22
7. Influenza	4	2	....	6	....	...	5	1	....	2	.	.	.	1	1	.	.	.	.	1	.	.	.	.	.	1	.	.	1	2	1	1	.	.	.	.	.	.	1		6
8. Other Epidemic Diseases	...	...	....	...	...	...	....	...	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....
Total	32	43	..	75	....	....	70	5	...	18	14	6	10	6	9	4	.	5	.	1	.	1	.	.	.	1	.	.	5	13	10	9	6	7	3	9	.	3	1	9		75
II. OTHER GENERAL DISEASES.																																																
1. Pyæmia and Septicæmia	4	1	...	3	1	1	1	4	...	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	1	.	.	.	2	1	.	.	1	.	.	.	1		5
2. Malarial Fever	...	...	...	...	...	...	...	...	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....
3. Tuberculosis and Scrofula	23	14	...	65	1	1	31	35	1	1	1	1	.	.	2	1	4	17	10	8	2	5	3	6	3	.	.	.	5	6	2	8	6	1	8	10	6	1	5	5		67
4. Syphilis	...	...	...	...	...	...	...	...	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....
5. Cancer	8	7	....	13	1	1	....	12	3	...	.	.	.	.	.	.	.	1	.	1	.	1	2	2	7	.	1	.	1	1	.	1	1	.	1	1	.	5	2	2		15
6. Rheumatism and Gout	4	2	...	5	1	....	5	1	...	....	.	.	1	.	1	3	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	1	.	1	.	2	1	.		6
7. Diabetes	1	1	....	2	....	....	1	1	....	....	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.		2
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....
Total	40	55	...	88	4	3	38	55	4	1	1	1	1	.	3	7	4	19	10	9	2	6	5	8	12	1	2	.	6	8	4	11	7	5	11	11	6	11	9	6		95
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	4	3	...	7	....	....	7	....	...	1	1	2	.	1	1	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	1	.	2	.	.	2	.	1		7
2. Simple Meningitis	2	3	....	5	....	....	4	1	....	1	.	2	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	1	2	.	.	1	.	.	.	1	.	.		5
3. Epidemic Cerebro-spinal Meningitis	1	1	....	2	....	....	2	....	....	....	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.		2
4. Congestion and Hemorrhage of Brain	6	1	...	5	2	...	3	4	....	...	.	.	1	.	1	.	.	1	.	.	1	.	.	1	1	1	.	.	3	.	.	.	.	1	1	.	1	1	.		7
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....
6. Paralysis without specified cause	3	3	....	6	....	....	2	3	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5	.	.	1	.	.	1	.	.	2	.	.	.	2		6
7. Insanity	1	....	....	1	....	....	1	....	....	....	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.		1
8. Epilepsy	3	1	....	4	....	....	3	1	....	....	.	.	.	.	.	.	1	.	1	1	.	1	.	.	.	.	.	.	1	.	.	1	1	.	.	.	.	.	.		4
9. Convulsions (not puerperal)	7	1	....	8	....	....	7	1	....	5	1	.	.	.	.	1	.	.	.	.	.	.	.	.	1	.	.	.	1	1	2	.	1	1	.	.	2	.	.		8
10. Other Nervous Diseases	2	....	....	2	....	....	2	....	....	....	.	.	.	.	.	1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.		2
Total	29	13	....	40	2	....	32	10	....	7	2	5	1	1	5	1	1	.	3	1	1	2	.	1	1	4	6	1	8	3	2	1	5	1	1	1	1	3	1	3		42
V. CIRCULATORY SYSTEM.																																															
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		....

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PRESCOTT and RUSSELL.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																								
2. Diseases of Bones and Joints																																								
3. Amputation (for unspecified Diseases)																																								
Total																																								
XI. MALFORMATIONS, ETC																																								
1. Still births	11	4	6	21			21			21																			2	2	3	2		2	1	1	5	2	1	1	21
2. Congen. Debility and Malformations	85	45	17	147			147			147																			15	12	12	12	10	12	8	15	15	10	10	16	147
3. Other Diseases of Infancy	1	1		5			5			3	1	1																				1	1	1				1		1	5
4. Senile Decay	25	5		11	16	1	8	5	1															3	20	5		3	2	6	7	6	7	1	5	2	5	2	7	58
Total	122	86	23	211	16	1	181	37	13	171	1	1												3	20	5		20	16	20	21	17	22	13	23	22	18	13	25	231
XII. SUICIDE																																								
1. Poison																																								
2. Strangulation																																								
3. Gas Poisoning																																								
4. Drowning	1			1			1																		1						1								1
5. Firearms																																								
Total	1			1			1																		1						1								1
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	1			1			1											3						1				1			1		1		1				5
2. Gunshot											1		1																											
3. Lightning																																1								
4. Drowning												1			1		1																1	1				1		5
5. Electric Cars																																								
6. Bicycles																																								
7. Railways	1			1					1													1																	1
8. Burns and Scalds																																								
9. Homicide																																								
10. Suffocation																																								
Total	12			12			11	1		2	1	1		1		1		4				1		1				1			1		2	1	2	1	2		12
XIV. ILL DEFINED CAUSES.																																								
1. Dropsy	3	1		3	1			1																1	2	1					1		2			1			3
2. Tumours																		1																						
3. Other Ill defined Causes	11	13		24			18	6			1	4	1	1	2	2	1		1			1	1	2	2	2			1	2	2	2	1	1	2	2	2	2	2	24
4. Lockjaw																																								
Total	14	14		27	1		18	7			1	4	1	1	2	2	1	1	1			1	1	2	1	4	1			2	3	3	1	3	2	2	3	2	2	2	30
Total from all causes	346	293	23	627	29	6	462	177	23	254	38	26	17	12	27	17	13	33	20	18	10	17	8	22	43	44	42	1	52	57	58	62	48	57	52	71	53	56	37	59	662

CAUSES OF DEATHS BY COUNTIES IN 1902.—PRINCE EDWARD.—(Including municipalities of all classes.) POPULATION, 18,042.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																						Months.												Total.
										Under 5.																																		
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever	1			1				1										1																1								1
2. Smallpox																																										
3. Measles	1			1			1				1																			1												1
4. Scarlet Fever																																										
5. Whooping Cough		2		2			2			2																						1	1								2
6. Diphtheria and Croup	1	3		4			4					1			2	1																			1	1	1	1				4
7. Influenza																																										
8. Other Epidemic Diseases																																										
Total	3	5		8			7	1		2	1	1			2	1		1												1		1	1	1	1	1	1	1			8
II. OTHER GENERAL DISEASES.																																										
1. Pyaemia and Septicaemia																																										
2. Malarial Fever																																										
3. Tuberculosis and Scrofula	8	17		22	3		11	14									5	3	2	3	4	6			1	1			1	2		4	2	5	3	1	1	3	2	1	25
4. Syphilis																																										
5. Cancer	4	4		7	1		1	7														1	2	5					1		3				1		1	1	1	8
6. Rheumatism and Gout		3		2	1		1	2													1		1			1							1	1			1			3
7. Diabetes	3	2		4	1		3	2								2	1			1		1								1			2	1			1			5
8. Other General Diseases																																										
9. Alcoholism, Acute and Chronic																																										
Total	15	26		35	6		16	25								2	6	3	2	8	4	8	1	3	6	1	1		2	2	4	4	2	8	5	2	1	5	4	2	41
Local Diseases.																																										
III. NERVOUS SYSTEM.																																										
1. Encephalitis	2	2		4			4			1				1	1		1													1		2	1								4
2. Simple Meningitis	2	2		4			4					1			3															1	1			1			1				4
3. Epidemic Cerebro-spinal Meningitis																																										
4. Congestion and Hemmorrhage of Brain	3	5		6	2		2	6														1	1	1	2	3				2	1		2	2			1			8
5. Softening of the Brain	1	1		2				2																1	1							1			1					2
6. Paralysis without specified cause	5	5		8	2			10																3		5	2				1		3	2	1		1		2	10
7. Insanity																																										
8. Epilepsy		1		1			1												1																	1					1
9. Convulsions (not puerperal)	5	4		9			9			5	3		1																2	2	1			1	1			1			9
10. Other Nervous Diseases		1		1				1											1											1								1			1
Total	18	21		35	4		20	19		6	3	1	1	1	4		1		1	1			1	4	2	8	5		3	5	5	3	4	6	5	1	2	2	1	2	39

PRINCE EDWARD.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																			1																				1		1
2. Endocarditis		1		1			1												1																						
3. Organic Heart Diseases	6	15		20	1		4	16	1								1	1			1	3	1	5	8		1			3	1	1	1	3		1	1	1	4	21
4. Angina Pectoris																																								
5. Arteries, Atheroma, Aneurism, etc.																																								
6. Other Diseases of Circulatory System	2	1		3			1	2			1											1				1					1	1						1		3
Total	8	17		24	1		6	18	1		1						1	2			1	4	1	5	8	1	1			3	5	2	1	3	2	1	1	1	6	29
V. RESPIRATION.																																								
1. Acute Bronchitis		1		1			1			1																											1		1
2. Chronic Bronchitis	1			1				1																		1												1		1
3. Broncho-pneumonia									1																															
4. Pneumonia	7	10		11	2	1	5	11		1	1				1							2		2	8	1	1	3	2	4		3	1			1		2	1	17
5. Pleurisy	1			1				1																																1
6. Congestion of the Lungs																																								
7. Asthma and Emphysema		1		1				1														1																1		1
8. Other Diseases of Respiratory System																																								
Total	9	12		18	2	1	6	14	1	2	1				1							1	2		3	9	1	1	3	2	4		3	1			1	1	4	2	21
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	1	1		1	1		1	1																	1	1							1					1		2
3. Infan. Diarr. and Cholera Infantum	1	2		3			2	1		3																						2						1		3
4. Diarrhœa and Enteritis (not infantile)	1	1		2			2							1					1													1					1		2
5. Dysentery																																								
6. Hernia and Intestinal obstructions																																								
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver																																								
9. Peritonitis (not puerperal)																																								
10. Iliac abscess and appendicitis																																								
Total	3	1		6	1		5	2		3				1					1			1			1	1					2	1	1				1	1		7
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	3	1		4				4													2			1	1					1	1	1	1						4
3. Other Diseases of Kidneys and Adnexa	1	1		2			1	1											1							1											1		1	2
4. Vesical Calculi																																								
5. Diseases of the Bladder	1			1			1																		1												1			1
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	5	2		7			2	5										1			2			2	1	1			1	1	1	1				2		1	7

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CAUSES OF DEATHS BY COUNTIES IN 1902.—RAINY RIVER—(Including municipalities of all classes).—POPULATION, 16,605.

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																														Months.												Total.
										Under 5.																																											
	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0.1	.1	.2	.3	.4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given	January.	February.	March.	April.	May.	June	July.	August.	September.	October	November.	December.												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40												41
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	3	5	....	5	3	....	5	3	....	....	....	....	....	1	....	2	..	2	1	..	2	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	2	..	1										8
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
3. Measles	1	....	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....										1
4. Scarlet Fever	2	6	....	7	1	....	8	....	....	....	....	....	1	1	3	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3	1	2	....	....										8
5. Whooping Cough	2	5	....	7	....	....	7	....	....	3	1	1	..	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	1	....	....	1	4	..										7
6. Diphtheria	1	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....										1
7. Influenza	1	1	....	2	....	....	2	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....										2
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	10	17	...	23	4	...	24	3	....	4	2	2	1	3	4	4	1	2	2	..	2	....	....	....	....	....	....	....	....	1	1	2	1	4	3	1	6	4	4										27
II. OTHER GENERAL DISEASES.																																																	
1. Pyæmia and Septicæmia	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....										1
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
3. Tuberculosis and Scrofula	6	5	....	11	....	....	9	2	....	....	....	1	....	....	....	2	3	2	1	....	....	1	....	....	....	....	1	....	2	....	....	1	2	....	....	....	1	2	1	2								11
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
5. Cancer	1	2	....	2	....	1	....	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	1	....	....	....	....	1	1	....	....										3
6. Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
7. Diabetes	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....										1
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	8	8	....	14	1	1	10	6	....	....	1	....	....	....	2	3	2	1	1	..	1	..	1	1	1	..	2	3	..	1	2	2	....	....	....	2	3	1	2								16
Local Diseases.																																																	
III. NERVOUS SYSTEM.																																																	
1. Encephalitis	1	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....										1
2. Simple Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
3. Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
4. Congestion and Hemorrhage of Brain	2	....	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....										2
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
6. Paralysis without specified cause	....	1	....	..	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....										1
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
9. Convulsions (not puerperal)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....
Total	3	1	....	2	2	....	1	3	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	1	....	....	1	1	....	....	....	1	....	....										4
IV. CIRCULATORY SYSTEM.																																																
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										....

| | | |

RAINY RIVER.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas	1	1	....	2	....	....	2	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	2
2. Skin and Adnexa (cancer excepted)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	1	1	....	1	....	....	2	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	2
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Diseases of the Bones and Joints	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Amputation (for unspecified Diseases)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	1	1	....	2	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	2
2. Congen. Debility and Malformations	6	5	....	11	....	....	11	....	....	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	....	2	....	2	1	....	1	....	11
3. Other Diseases of Infancy	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
4. Senile Decay	2	....	....	....	2	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....	1	....	....	....	....	....	2
Total	10	6	....	14	2	....	15	1	....	14	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	1	3	1	2	1	3	1	....	2	....	1	16
XII. SUICIDE.																																								
1. Poison	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Strangulation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Gas Poisoning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Drowning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Firearms	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	6	....	....	3	3	....	4	1	1	....	....	....	....	....	....	....	....	....	4	....	1	....	....	....	....	....	....	1	2	....	....	....	1	....	....	2	....	1	6
2. Gunshot	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
3. Lightning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Drowning	16	2	....	13	5	....	15	3	....	....	1	1	....	2	....	1	1	3	1	....	1	1	....	....	....	6	....	....	1	2	....	5	1	4	3	....	2	....	....	18
5. Railways	7	....	....	3	2	2	5	1	1	....	....	....	....	....	....	....	1	....	....	....	....	1	....	1	....	....	....	1	3	....	1	1	....	....	1	....	1	....	1	2	7
6. Burns and Scalds	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1
7. Homicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	30	3	....	20	11	2	25	7	1	....	1	1	....	2	....	2	2	8	1	1	2	2	....	....	1	10	3	1	2	3	....	7	1	5	3	3	3	3	....	33
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Tumors	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Other Ill-Defined Causes	4	....	....	3	....	1	3	....	1	....	....	....	....	....	2	....	....	1	....	....	....	1	....	....	....	1	....	....	....	1	....	....	2	....	....	....	....	1	....	4
Total	4	....	....	3	....	1	3	....	1	....	....	....	....	....	2	....	....	1	....	....	....	1	....	....	....	1	....	....	....	1	....	....	2	....	....	....	....	1	....	4
Total from all causes	86	56	....	109	29	4	109	30	3	31	6	5	2	4	10	8	10	8	14	5	7	3	4	6	3	2	2	12	12	8	11	9	11	13	11	14	6	18	11	18	142

CAUSES OF DEATHS BY COUNTIES IN 1902.—RENFREW.—(Including municipalities of all classes).—POPULATION, 53,239.

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																								Months.												Totals.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.							
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.																																
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41						
I. COMMUNICABLE DISEASES.																																														
1 Typhoid Fever	7	4	....	10	1	....	6	5	....	...	1	...	...	...	1	1	1	1	1	1	2	1	..	..	1	..	..	..	3	..	2	.	1	1	..	1	..	2	1	..	11						
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
3. Measles	2	2	....	4	....	....	4	....	....	1	....	....	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	1	....	....	....	....	....	4						
4. Scarlet Fever	....	4	....	4	....	....	4	....	....	1	2	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	2	....	....	....	1	....	....	....	....	4						
5. Whooping Cough	5	3	....	8	....	....	8	....	....	3	3	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	1	2	1	1	....	8						
6. Diphtheria and Croup	1	6	....	7	....	....	7	....	....	....	1	1	....	....	2	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	5	7						
7. Influenza	4	4	....	4	4	....	3	5	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	4	1	1	....	1	1	2	....	1	....	1	....	....	1	1	....	8						
8. Other Epidemic Diseases	1	....	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1						
Total	20	23	...	38	5	....	33	10	..	6	6	3	2	..	7	4	1	1	1	1	2	1	..	1	5	1	1	..	7	1	5	4	4	1	2	3	2	4	3	7	43						
II. OTHER GENERAL DISEASES.																																														
1. Pyaemia and Septicaemia	5	....	....	4	1	....	2	3	..	....	....	....	....	....	1	..	1	....	....	....	....	1	..	2	....	....	....	....	....	....	....	....	2	....	....	2	1	....	....	....	5						
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
3. Tuberculosis and Scrotula	14	36	....	41	8	1	16	30	4	1	..	1	....	....	1	2	9	6	1	8	7	3	4	2	1	..	1	3	6	6	3	3	3	..	6	5	8	2	5	50						
4. Syphilis	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1						
5. Cancer	5	11	....	6	10	....	1	15	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	4	5	2	2	..	1	1	..	1	2	2	1	1	1	..	1	2	16						
6. Rheumatism and Gout	6	3	....	6	3	....	4	5	..	....	....	....	....	1	....	....	....	2	....	....	....	....	1	..	4	1	....	....	1	3	..	2	..	....	....	....	1	..	2	..	9						
7. Diabetes	5	....	....	3	2	....	1	4	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	....	1	1	....	....	....	....	....	2	....	....	....	....	1	1	1	5						
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
Total	35	51	...	61	24	1	24	58	4	1	..	1	..	1	1	1	3	12	6	4	9	9	7	11	11	5	3	1	5	10	6	6	9	5	1	9	8	9	9	9	86						
Local Diseases.																																														
III. NERVOUS SYSTEM.																																														
1. Encephalitis	5	5	....	9	1	....	9	1	....	4	1	....	....	....	1	1	2	....	....	1	....	....	....	....	....	....	....	....	....	1	....	2	....	1	1	....	2	1	2	....	10						
2. Simple Meningitis	2	2	....	4	....	....	4	....	....	2	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	1	....	....	....	4						
3. Epidemic Cerebro-spinal Meningitis	1	....	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1						
4. Congestion and Hemorrhage of Brain	9	2	....	6	5	....	2	7	2	....	....	1	....	....	....	....	....	....	2	....	....	....	....	2	....	5	..	1	1	....	....	....	4	2	..	2	..	1	..	1	11						
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
6. Paralysis without specified cause	13	3	....	7	9	....	3	13	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	6	5	4	..	1	....	1	3	2	1	1	2	2	2	1	..	16						
7. Insanity	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1						
8. Epilepsy	2	1	....	2	....	1	....	2	1	....	....	....	....	....	....	....	1	....	....	....	....	2	....	....	....	....	....	....	1	1	....	1	....	....	....	....	1	....	....	....	3						
9. Convulsions (not puerperal)	11	6	....	17	....	..	17	....	..	12	2	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	5	1	2	2	2	1	....	1	17						
10. Other Nervous Diseases	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1						
Total	44	20	....	48	15	1	38	23	3	18	4	3	..	3	1	5	2	2	1	..	2	..	2	6	10	4	1	5	2	5	9	11	6	3	7	6	4	3	3	64						

RENFREW.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis			1	1			1									1																1								1
3. Organic Heart Diseases	8	15		17	6		8	15				1					1	3		3	1	3		1	7			3	1		3	3	1	1	2		3	4	2	23
4. Angina Pectoris	1				1			1																		1					1								1
5. Arteries, Atheroma, Aneurism, etc.																																									
6. Other Diseases of Circulatory System																																									
Total	9	16		18	7		9	16				1			1	1	3		3	1	3		4	7	1			3	1		6	3	1	1	2		3	4	2	25
V. RESPIRATION.																																									
1. Acute Bronchitis	4	11		15			15			9	6																	2	1	1	1	1	5	1	1			1	1	15
2. Chronic Bronchitis	1				1			1																1												1				1
3. Broncho pneumonia	1				1			1																1									1							1
4. Pneumonia	25	11		27	8	1	17	17	2	6	1	2	3	1		1		3	2	3	2	5	1	5	1		3	1	4	5	1	2	2	2	1	2	1	9	36
5. Pleurisy	1	1		1	1		1	1				1													1			1									1			2
6. Congestion of the Lungs	2			2			2			2																			1						1					2
7. Asthma and Emphysema		2		1	1			2																1	1						1							1	2
8. Other Diseases of Respiratory System																																								
Total	34	25		46	12	1	36	22	2	17	7	2	1	3	1		1		3	2	3	2	7	4	5	1		6	6	5	7	2	8	3	1	2	3	2	11	59
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Dis's. of the Stomach (cancer excepted)		3		3			1	2					1				1							1												1	1	1		3
3. Infan. Diarr. and Cholera Infantum	8	5		13			13			11	1		1															1				1			5	2	3	1		13
4. Diarrhœa and Enteritis (not infantile)	5	3		7	1		5	3						1	3	1							1		2					1	1				1	2	3		8
5. Dysentery	1	1		2			2			1	1																								2					2
6. Hernia and intestinal obstructions	2				2			2															1			1		1			1									2
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	8			4	1		1	6	1					1										1	4	1	1					1	1		1	3	1		1	8
9. Peritonitis (not puerperal)	2	2		3	1		1	3						1				1		1				1	1							2			1		1		4
10. Iliac Abscess and Appendicitis	3	3		3	2	1	3	2	1								2		1		1		1	1						1		3	2						6
Total	29	17		35	10	1	26	18	2	12	2		1		4	3	3	1	2		1		3	4	5	3	2		2		2	1	8	3		11	7	9	2	1	46
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis		1		1				1																	1										1					1
2. Bright's Disease	5	4		5	3	1	1	7	1											1				5	2	1			1	2		1		2	2		1			9
3. Other Diseases of Kidneys and Adnexa	1				1			1																	1														1	1
4. Vesical Calculi																																								
5. Diseases of the Bladder	2			1	1			2																	1	1						1	1							2
6. Diseases of the male Genital Organs																																									
7. Metritis																																								
8. Other Diseases of the Uterus		1		1				1													1														1					1
9. Ovarian Cysts and Ovarian Tumors																																									
10. Other Diseases of female Genital Organs																																								
Total	8	6		8	5	1	1	12	1											1	1			5	3	3	1		1	2	1	2		4	2		1		1	14

| | | |

CAUSES OF DEATHS IN COUNTIES, IN 1902.—SIMCOE.—Population, 83,138. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social con.			Ages.																												Months.												Total.
										Under 5.																																									
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	4	8	...	11	1	....	10	2	....	...	.	1	.	.	1	3	3	2	..	1	1	.	.	.	.	.	.	.	.	.	.	.	1	.	3	..	3	1	3	.	1	12										
2. Smallpox	...	...	...	....	....	....	....	....	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
3. Measles	1	2	....	3	..	....	3	....	....	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	1	3										
4. Scarlet Fever	5	3	....	8	....	....	8	....	....	...	3	.	2	.	1	2	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	..	1	1	1	1	..	.	1	8										
5. Whooping Cough	1	4	....	5	....	....	5	....	....	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	2	.	.	.	.	.	.	.	1	5										
6. Diphtheria and Croup	16	11	....	27	....	....	25	2	....	3	1	8	1	1	8	4	2	..	.	1	.	.	.	.	.	.	.	.	4	2	1	4	.	.	.	1	2	4	1	8										
7. Influenza	1	4	....	3	2	....	2	3	....	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2	.	1	.	1	1	1	.	.	.	.	.	1	5										
8. Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
Total	28	32	....	57	3	....	53	7	...	12	8	4	3	1	10	9	5	2	.	2	1	.	.	.	1	.	2	.	7	3	4	8	2	5	1	5	4	7	1	13	60										
II. OTHER GENERAL DISEASES.																																																
1. Pyaemia and Septicaemia	5	2	..	5	2	....	3	4	..	1	1	.	.	.	1	..	.	1	.	.	.	.	.	2	.	1	.	.	.	1	..	1	.	1	1	1	..	.	1	1	..	7										
2. Malarial Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
3. Tuberculosis and Scrofula	53	57	....	85	22	3	52	53	5	6	.	.	.	.	.	2	10	13	14	19	15	10	6	7	4	1	..	3	11	5	13	10	10	10	8	6	11	5	8	13	110										
4. Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
5. Cancer	16	19	..	13	22	....	5	30	....	...	...	...	...	...	...	...	...	...	...	1	1	1	4	11	13	4	.	2	.	3	3	4	3	4	4	2	5	2	3	35										
6. Rheumatism and Gout	2	1	....	2	1	..	1	1	1	...	...	...	...	...	...	...	...	...	...	1	..	1	...	...	...	...	1	...	...	...	1	...	...	...	1	...	...	1	..	.	3										
7. Diabetes	.	7	....	6	1	..	3	3	1	...	...	...	...	...	...	...	1	1	...	...	...	...	.	2	3	...	...	...	1	.	1	1	2	1	.	.	.	.	1	7										
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
9. Alcoholism, Acute and Chronic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
Total	76	86	..	111	48	3	64	91	7	7	1	.	.	1	2	11	15	14	20	16	12	7	15	18	15	5	3	13	7	17	15	15	16	15	11	13	12	11	17	162										
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	3	2	...	5	....	....	4	1	....	1	1	1	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	2	.	.	.	1	1	..	1	.	.	.	5										
2. Simple Meningitis	6	1	..	7	....	....	7	....	....	5	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	...	.	1	.	.	.	2	..	2	.	2	7										
3. Epidemic Cerebro-spinal Meningitis	4	3	...	6	1	...	5	2	..	3	1	.	.	.	1	.	.	1	.	.	.	.	1	.	.	.	.	.	.	1	..	2	1	1	1	1	.	.	.	.	7										
4. Congestion and Hemorrhage of Brain	17	15	...	10	22	....	6	26	...	1	.	.	.	.	.	.	.	1	.	2	.	1	2	.	9	9	7	..	4	2	1	4	3	1	4	2	4	2	4	1	32										
5. Softening of the Brain	3	....	...	1	2	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	2	....	....	....	....	.	.	.	1	.	.	1	.	1	.	.	3										
6. Paralysis without specified cause	11	10	....	12	9	....	....	20	1	....	....	....	....	....	....	....	....	....	2	1	.	3	5	7	3	.	5	3	1	2	2	.	1	2	.	2	2	1	21										
7. Insanity	1	....	....	....	1	...	1	....	....	....	....	....	....	....	....	....	....	....	1	.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1										
8. Epilepsy	3	5	....	8	....	....	7	1	....	....	....	....	....	....	....	2	.	2	3	....	....	1	.	....	....	....	....	....	....	....	....	1	2	.	2	1	1	..	1	8										
9. Convulsions (not puerperal)	13	11	..	24	....	....	24	....	....	17	3	....	2	.	1	..	1	....	....	....	....	....	....	....	....	....	....	....	2	2	2	2	2	1	1	2	1	2	1	6	24										
10. Other Nervous Diseases	2	3	....	4	1	..	2	3	....	....	....	....	....	....	....	....	....	1	....	....	....	....	3	..	.	1	.	.	....	1	.	1	..	1	.	.	.	.	1	1	5										
Total	63	50	....	77	36	....	57	55	1	27	5	1	1	3	1	3	.	7	3	5	1	3	7	3	16	17	10	.	13	9	6	11	13	4	11	10	8	8	11	9	113										
IV. CIRCULATORY SYSTEM.																																															
1. Pericarditis	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	1										

| | | |

NORFOLK.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas	..	2	...	1	1	...	...	2	...	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	2	2
2. Skin and Adnexa (cancer excepted)	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	..	2	...	1	1	...	...	2	...	..	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	2	2
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
2. Diseases of Bones and Joints	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
3. Amputation (for unspecified diseases)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
XI. MALFORMATIONS, ETC.																																								
1. Still-Births	23	10	...	33	...	...	33	...	...	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5	4	3	4	3	3	1	.	5	3	1	33
2. Congen., Debil., and Malformations	38	29	....	66	1	....	66	4	....	63	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	5	4	3	9	5	7	9	3	5	4	6	67
3. Other Diseases of Infancy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
4. Senile Decay	55	57	..	37	85	....	16	91	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	46	57	1	8	1	9	10	9	10	7	10	8	11	14	9	112
Total	116	96	....	126	86	....	115	95	2	98	2	..	..	..	..	..	..	..	..	..	..	..	..	..	8	46	57	1	16	14	17	16	22	18	17	20	11	21	21	16	212
XII. SUICIDE.																																								
1. Poison	1	...	...	...	1	....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
2. Strangulation	2	1	....	2	1	....	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	2	..	1	...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	3
3. Drowning	1	...	...	1	...	....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	1
4. Firearms	...	...	...	...	...	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	4	1	...	3	2	....	...	5	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	1	..	..	1	..	..	2	..	2	1	..	..	..	..	..	..	5
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	3	2	..	3	2	..	2	3	....	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	2	..	1	..	..	1	1	5
2. Gunshot	2	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2
3. Drowning	6	2	....	6	2	....	6	2	....	...	1	..	..	..	1	..	1	..	1	..	..	1	..	2	1	..	..	..	..	1	..	1	..	3	2	..	..	..	1	8
4. Railways	3	...	...	3	...	....	1	2	....	...	...	1	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	3
5. Burns and Scalds	....	1	....	1	...	....	1	...	....	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
6. Homicide	1	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
7. Other accidents	9	...	...	5	4	...	2	7	..	..	..	..	1	..	..	..	..	..	2	..	..	1	1	1	2	1	..	..	..	..	..	2	1	..	..	2	1	1	2	9
Total	24	5	...	18	11	.	15	14	..	4	1	1	1	..	1	1	3	1	3	1	.	1	2	1	2	1	1	..	..	..	3	2	5	..	1	3	1	2	2	4	29
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	2	8	...	4	6	...	1	9	....	...	...	...	...	...	...	...	...	...	..	1	..	..	1	..	4	4	..	..	1	..	..	2	..	..	..	..	2	..	3	2	10
2. Tumors	3	6	..	4	5	...	1	8	....	...	...	...	...	...	...	...	...	...	...	..	1	..	2	1	3	3	..	..	4	..	1	1	..	..	..	..	..	..	2	1	9
3. Other Ill-Defined Causes	17	13	....	24	5	1	18	11	1	....	...	2	..	..	1	..	6	1	3	2	3	..	3	1	5	2	1	..	1	1	1	3	5	1	5	3	2	3	..	5	30
4. Lockjaw	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	22	27	...	32	16	1	20	28	1	..	..	2	..	..	1	..	6	1	3	3	4	..	6	2	8	8	5	..	5	2	2	4	7	1	5	3	4	3	5	8	49
Total from all causes	481	462	..	632	303	8	452	471	20	188	26	13	9	5	15	24	31	33	41	47	37	37	35	49	110	138	99	6	78	60	80	74	108	64	76	83	70	77	76	97	943

CAUSES OF DEATHS BY COUNTIES IN 1902.—STORMONT, DUNDAS & GLENGARRY—Pop. 69,619.—(Including municipalities of all classes).

General Diseases.	Sex.			Nativity.			Soc. con.			Age.																														Months.												Totals.
										Under 5.																																											
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	4	3	....	6	1	....	6	....	1	....	....	....	....	....	....	2	..	1	2	1	.	1	..	....	....	....	....	....	....	....	3	..	.	....	....	....	1	2	.	1	.	7										
2. Smallpox	2	....	....	2	....	....	1	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	2										
3. Measles	....	1	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1										
4. Scarlet Fever	1	3	....	4	....	....	4	....	....	....	....	....	1	..	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	..	2	..	....	....	....	....	1	..	....	4										
5. Whooping Cough	4	5	....	9	....	....	9	....	....	4	1	1	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	1	..	1	1	..	....	1	1	9										
6. Diphtheria and Croup	10	9	....	19	....	....	17	2	....	3	4	3	3	4	..	1	....	....	....	....	....	....	....	1	....	....	....	....	3	1	5	..	3	..	1	1	1	1	2	....	19										
7. Influenza	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1										
8. Other Epidemic Diseases	....	1	....	1	....	....	1	....	....	....	....	....	....	....	1	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1										
Total	22	22	....	43	1	....	39	3	2	8	5	5	4	4	4	6	.	1	3	1	..	1	.	2	..	....	....	....	6	5	8	1	5	1	2	4	4	1	3	4	44										
II. OTHER GENERAL DISEASES.																																																	
1. Pyaemia and Septicaemia	3	1	....	4	....	....	2	2	....	....	....	....	1	..	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	....	1	....	1	..	....	2	....	....	....	....	4										
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Tuberculosis and Scrofula	29	65	....	77	11	6	41	45	8	1	..	1	..	..	1	4	5	12	8	8	14	8	9	10	8	3	..	2	7	5	18	5	12	8	8	7	5	5	6	8	94										
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Cancer	15	10	....	20	4	1	4	21	1	....	....	....	....	....	....	....	....	1	....	....	....	2	2	4	4	9	3	..	2	..	3	3	1	2	..	2	1	3	4	4	25										
6. Rheumatism and Gout	2	5	....	5	1	1	2	4	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	2	2	1	..	1	..	1	1	..	1	..	....	....	1	..	2	7										
7. Diabetes	3	4	....	7	....	....	2	5	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	1	1	3	..	....	2	..	1	1	1	....	....	....	....	....	1	1	7										
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Alcoholism, Acute and Chronic	2	....	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	2										
Total	54	85	....	115	16	8	52	78	9	1	..	1	2	.	2	4	7	13	8	9	16	10	12	16	15	17	4	2	12	5	25	11	15	11	8	11	6	9	11	15	139										
Local Diseases.																																																	
III. NERVOUS SYSTEM.																																																	
1. Encephalitis	3	3	....	6	....	....	6	....	....	2	1	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	1	..	1	....	1	..	6										
2. Simple Meningitis	7	4	....	10	1	....	10	....	1	3	3	1	3	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	1	..	....	1	..	1	3	1	..	3	..	11										
3. Epidemic Cerebro-spinal Meningitis	3	....	....	3	....	....	3	....	....	2	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	1	....	....	....	3										
4. Congestion and Hemorrhage of Brain	14	9	....	16	6	1	4	12	7	1	....	....	....	....	1	..	1	1	1	.	2	..	3	..	9	3	1	2	3	1	..	3	3	4	2	..	2	1	2	23										
5. Softening of the Brain	1	1	....	2	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	..	2										
6. Paralysis without specified cause	7	15	....	18	3	1	6	15	1	....	....	....	1	....	....	....	....	....	....	....	1	2	1	..	2	6	6	3	..	1	2	..	1	6	1	1	3	2	1	3	1	22										
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Epilepsy	3	....	....	3	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....	....	....	....	1	1	1	....	....	....	....	....	....	....	3										
9. Convulsions (not puerperal)	4	7	....	11	....	....	11	....	....	7	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	1	..	2	1	2	2	11										
10. Other Nervous Diseases	....	3	....	3	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	2	....	....	....	1	....	....	....	1	..	....	1	....	....	....	3										
Total	42	42	....	72	10	2	42	31	41	15	5	4	6	.	1	.	1	3	1	2	3	5	1	6	6	18	6	1	7	11	2	3	11	8	9	6	7	4	10	6	84										

STORMONT, DUNDAS AND GLENGARRY. *Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	32	29		51	8	2	12	45	4		1						1	3	1	2	5	1	1	9	22	10	1	1	8	3	10	4	3	4	6	3	7	3	5	5	61
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc	1	1		1	1			1	1												1		1						1									1	2
6. Other Diseases of Circulatory System	4	2		5	1		1	4	1														3			2		1				1	3			1	1	6
Total	37	32		57	10	2	13	50	6		1						1	3	1	2	6	4	5	9	22	12	1	2	8	4	10	4	3	5	9	8	7	3	6	7	69
V. RESPIRATION.																																								
1. Acute Bronchitis	5	5		10			9	1		5	3	1								1									2	1		1		2		1		3		10
2. Chronic Bronchitis	1	3		2	2		1	3				1														1	1	1	1	1				1						4
3. Broncho pneumonia	1	2		3			3			3																			1					1				1		3
4. Pneumonia	39	26		18	17		33	30	2	16	3		2		1	1	1	1		2	1	3	7	1	6	12	7	1	6	6	11	6	9	1	4	2	2	2	5	8	65
5. Pleurisy	2	2		2	2		3	1			1											1		1		1					1		2			1				4
6. Congestion of the Lungs	2			2			1	1															1			1											2			2
7. Asthma and Emphysema	1	1		2			2																1				1		2											2
8. Other Diseases of Respiratory System	1			1			1			1																												1		1
Total	52	39		70	21		53	36	2	25	6	3	2		1	1	1	1		3	1	4	9	2	7	15	9	1	12	8	12	8	9	9	5	3	3	7	7	8	91
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	4	1		5			2	2	1	2												1				2			1					1		2		1	5
2. Other Dis. of Stomach (cancer excepted)	4	4		5	3		2	5	1												2	1		1	1	3			1						3	2		1	8
3. Infan. Diarrhoea and Cholera Infantum	8	15		23			23			20	2	1																		1	1	2		3	9	5	1		1	23
4. Diarrhoea & Enteritis (not infantile)	3	5		8			3	5		1			1							1		1	1			3						1	2	2	1		2			8
5. Dysentery	1	1		2			1	1														1				1			1							1				2
6. Hernia and Intestinal obstructions	4			3		1	1	1	2											1			1	1	1				1					1						4
7. Diseases of the Liver	4	4		5	2	1	1	6	1													1		3	2	2			1				2	1		2	1			8
8. Peritonitis (not Puerperal)	5	5		8	1	1	6	3	1			1		2		1	2	1			1					1	1		2		1		3		1	1	1			1	10
9. Iliac abscess and appendicitis	5	1		6			6								1	1		1	3											1			3	1	1					6
Total	38	36		65	6	3	45	23	6	23	2	2	1	2	1	2	2	2	3	2	3	5	1	5	4	13	1		7	1	3		9	6	9	13	12	9	1	4	74
VII. GENITO-URINARY SYSTEM																																								
1. Acute Nephritis		1		1			1					1																			1									1
2. Bright's Disease	13	5		12	6		3	15								1				1	1		1	1	4	4	5		3	2		1	2	1	3		4	1	1	18
3. Other Diseases of Kidneys and Adnexa	4	3		7			1	6										1		1		1		1	1		2				1		1	1	2		1	1		7
4. Vesical Calculi																																								
5. Diseases of the Bladder	3			1	2			3																		1	2				1	1					1		3
6. Diseases of Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Dis's. of fem. Genital Organs	1			1				1										1													1									1
Total	21	9		22	8		5	25				1				1		2		2	1	1	1	2	5	5	9		3	2	3	3	3	2	5		11	5	1	2	30

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CAUSES OF DEATHS BY COUNTIES IN 1902.—DISTRICT OF THUNDER BAY.—(Including municipalities of all classes.)—POPULATION, 12,671.

General Diseases.	Sex.			Nativity.			Social Con.			Ages.																											Months.												Total.
										Under 5.																																									
	Male.	Female.	Not Stated.	Canada.	Foreign.	Not Stated.	Single.	Married.	Not Stated.	0-1	1	2	3	4	5-9.	10-14.	15-19.	20-24.	25-29	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and Over.	Not Given.	January	February.	March	April	May	June	July	August	September	October	November	December												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40												41
I. COMMUNICABLE DISEASES.																																																
1. Typhoid Fever	8	4	....	4	7	1	8	4	....	....	....	....	2	....	....	1	1	5	....	1	1	....	1	....	1	....	....	....	2	1	....	1	1	....	....	3	3	....	1	....											12
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
3. Measles	....	2	....	2	....	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1												2
4. Scarlet Fever	13	10	....	23	....	....	23	....	....	3	3	2	1	1	6	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	4	....	1	4	3	4										23
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
6. Diphtheria and Croup	6	2	....	6	1	1	7	....	1	....	....	....	....	1	1	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	1	2	1	1	1	1											8
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
Total	27	18	....	35	8	2	40	4	1	4	4	2	6	2	10	5	2	1	5	1	1	1	....	1	....	....	....	....	2	1	1	2	1	8	6	4	5	5	5	5										45
II. OTHER GENERAL DISEASES.																																																
1. Pyæmia and Septicæmia	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....												1
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
3. Tuberculosis and Scrofula	7	4	....	8	3	....	8	3	....	....	1	....	....	1	1	....	....	1	1	1	1	....	3	1	....	....	....	....	2	....	3	....	1	....	....	2	1	....	1	1										11
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
5. Cancer	2	....	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....										2
6. Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
7. Diabetes	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
9. Alcoholism, Acute and Chronic	1	1	....	....	1	1	....	1	1	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....											2
Total	11	5	....	8	7	1	8	7	1	....	1	....	1	1	....	....	1	2	1	2	1	....	4	1	1	....	....	....	2	1	3	....	1	1	1	2	2	....	2	1										16
Local Diseases.																																																
III. NERVOUS DISEASES.																																																
1. Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
2. Simple Meningitis	2	1	....	3	....	....	3	....	....	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1										3
3. Epidemic Cerebro-Spinal Meningitis	1	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....												1
4. Congestion and Hemorrhage of the Brain	1	2	....	3	....	....	2	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	1	....	1	....	....	....	....	....	....	1	....											3
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
6. Paralysis without specified cause	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....												1
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
9. Convulsions (not puerperal)	4	3	....	7	....	....	7	....	....	3	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	1	1	2	....	....										7
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....
IV. CIRCULATORY SYSTEM. **Total**	9	6	....	14	1	....	13	2	....	5	1	2	1	....	2	1	....	....	....	....	....	1	....	2	....	....	....	1	3	1	1	....	....	2	2	2	1	1	1										15
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....												....

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DISTRICT OF THUNDER BAY.—*Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN																																									
1. Erysipelas	2	.	.	2	..	.	2		..	2	.	.																			1	1									2
2. Skin and Adnexa (cancer excepted)	..	....	...	....	..		..	...	..	....																															
Total	2	..	..	2	....		2	.	..	2																					1	1									2
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	..	...	...	....	...	.	...	...	...	...																															
2. Diseases of Bones and Joints	..	..	..	.	....	...	...	..	....	...																															
Total	...	...	..	.	...	...	...	..	...	...																															
XI. MALFORMATIONS, ETC.																																									
1. Still births	5	6	..	11	....	.	11	..	...	11																			1	2	1	1	1	.	1	.	2	1	1		11
2. Congen. Debility and Malformations	7	3	....	10	...	...	10	....	...	10																				1	1	1	1	.	1		1	3	1		10
3. Other Diseases of Infancy	...	...	..	...	...	..	...	...	...	...																															
4. Senile Decay	2	...	..	1	1	...	1	...	1	...																2						1					1			2
Total	14	9	....	22	1	..	22	...	1	21																2			1	3	2	2	3		2		3	5	2		23
XII. SUICIDE.																																									
1. Poison	...	....	...	...	....	...	...	...	..	...																															
2. Strangulation	..	...	...	...	....	...	...	...	..	...																															
3. Gas Poisoning	..	...	...	...	....	...	...	...	....	..																															
4. Drowning	....	..	...	....	....	...	..	..	..	..																															
Total	....	..	....	....	...	...	..	...	....	..	..	..																															
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	4	1	....	1	4	....	3	2	...	...							1			1	1		1			1								2			1	2		9
2. Gunshot	...	...	...	...	...	...	...	...	...	...																															
3. Lightning	...	...	...	...	...	...	...	...	...	...																															
4. Drowning	3	....	.	3	...	...	3	...	...	3				1					1			1												2	1					5
5. Railways	6	....	.	2	3	1	5	1	.	..					1			1	..	1	..									1	1	1				1		2		8
6. Burns and Scalds	....	1	.	1	...	...	1	...	...	...			1																								1				2
7. Homicide	1	..	.	...	1	....	...	1	...	...									1																						1
8. Other Accidents	17	2	....	11	6	2	15	4	....	3									4	1	4	1	1	1	1	1	.	2	1	3	.	2		4	1	2	3	2	1		19
Total	31	4	..	18	14	3	27	8	..	3		1	1	1	1			9	3	6	1	2	2	1		2		2	1	4	1	1	2	2	7	3	2	4	7	1		35
XIV. ILL DEFINED CAUSES.																																									
1. Dropsy	2	...	..	2	...	....	2	...	...	...								1	1																						2
2. Tumors	1	.	....	1	...	...	1	...	...	...					1															1										1
3. Other Ill defined Causes	2	3	...	3	2	....	4	1	..	...		1					1		1					2					1	1	1						2		5
4. Lockjaw	1	....	....	1	....	...	1	....	....	....							1																				1			1
Total	6	3	....	7	2	...	8	1	...	....		1			1		3	1	1				2					2	1	1							1	1	3		9
Total from all causes	139	74	...	150	53	10	166	42	5	53	13	7	8	4	19	8	7	14	15	19	6	9	4	11	5	7	1	3	15	16	15	13	15	15	24	18	26	17	28	11	213

CAUSES OF DEATHS BY COUNTIES IN 1902.—VICTORIA.—Population, 32,271.—(Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc. con.			Ages.																												Months.												Total
										Under 5.																																								
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 & over.	Not given.	Jan.	Feb.	March	April	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																														
1 Typhoid Fever	6	1	..	7	..	...	4	3	....	..	.	.	.	.	.	1	3	..	2	.	.	...	.	.	1	.	.	.	1	.	1	1	.	.	.	2	1	.	1	7
2 Smallpox	...	..	..	..	....	...	..	....	..	..	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 Measles	1	..	...	1	..	...	1	....	..	..	.	.	.	1	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
4 Scarlet Fever	1	8	....	12	..	....	12	..	....	...	1	.	3	5	1	2	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	5	.	.	.	.	.	.	12
5 Whooping Cough	1	..	...	1	..	...	1	.	..	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
6 Diphtheria and Croup	3	3	....	6	..	....	6	..	....	.	1	1	1	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	.	1	.	1	1	.	.	6
7 Influenza	2	1	...	1	2	....	1	2	.	....	1	.	.	.	.	.	.	.	.	.	.	.	.	.	..	1	1	.	.	.	.	1	2	..	.	.	.	.	.	.	3
8 Other Epidemic Diseases	1	..	....	1	..	....	1	....	..	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1
Total	18	13	....	29	2	....	26	5	....	1	1	1	2	3	6	2	5	.	2	.	.	.	.	.	1	1	1	.	1	1	2	3	9	6	.	3	1	1	1	31
II. OTHER GENERAL DISEASES.																																									
1 Pyæmia and Septicæmia	....	1	..	1	..	....	..	1	.	..	..	..	..	..	..	..	..	..	..	..	..	1	.	..	..	..	..	..	.	..	..	1	..	..	..	..	.	..	..	1
2 Malarial Fever	1	..	..	1	..	....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
3 Tuberculosis and Scrofula	17	11	..	24	1	....	16	10	2	...	1	.	.	.	.	1	6	7	2	3	1	2	2	.	.	.	.	.	1	3	2	3	1	1	2	1	3	1	28
4 Syphilis	..	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 Cancer	10	7	.	14	3	....	6	10	1	...	.	.	.	..	.	.	.	.	.	.	3	1	1	3	3	1	.	.	3	2	1	1	2	2	2	1	.	1	1	1	17
6 Rheumatism and Gout	3	2	..	2	3	...	...	5	...	....	.	.	.	.	.	.	.	3	.	.	.	.	.	1	1	3	.	2	.	.	.	.	1	.	.	3	.	.	1	5
7 Diabetes	5	2	..	5	2	....	3	4	..	.	.	.	.	.	.	1	1	.	.	.	.	.	.	1	1	3	.	.	.	1	1	.	1	.	.	.	.	2	1	.	1	7
8 Other General Diseases	..	..	....	..	..	....	..	..	..	....	.	.	.	..	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 Alcoholism, Acute and Chronic	1	..	...	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Total	37	23	....	48	12	....	27	30	3	...	1	.	.	1	1	5	6	7	2	7	1	4	7	6	6	3	.	.	5	6	6	5	7	3	1	9	4	3	1	4	60
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1 Encephalitis	1	2	..	6	....	...	6	.	....	2	1	.	1	.	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1	.	.	2	.	.	6
2 Simple Meningitis	2	3	....	5	...	.	4	1	....	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	2	1	.	4
3 Epidemic Cerebro-spinal Meningitis	2	..	..	2	..	..	2	..	....	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	2
4 Congestion and Hemorrhage of Brain	1	10	..	8	5	...	2	9	....	...	.	1	.	.	.	1	.	.	.	1	.	.	.	3	2	1	.	.	1	1	.	3	.	2	.	1	1	.	1	11
5 Softening of the Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Paralysis without specified cause	8	8	..	9	6	1	3	12	1	.	.	.	.	.	.	1	.	1	.	1	3	1	.	1	6	2	.	.	2	2	1	1	.	1	.	2	.	1	3	.	16
7 Insanity	....	1	...	1	...	...	...	1	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.	.	.	.	1	.	.	1
8 Epilepsy	....	1	....	1	....	...	...	1	...	....	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
9 Convulsions (not puerperal)	6	6	...	12	..	....	12	..	..	9	1	1	1	..	.	.	.	.	.	.	.	.	.	..	.	.	.	.	1	1	.	.	.	.	1	1	.	1	2	2	12
10 Other Nervous Diseases	.	2	....	2	..	...	2	..	..	..	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	..	.	.	1	.	.	.	.	1	.	.	.	2
Total	23	33	....	44	11	1	31	24	1	17	1	2	2	1	.	5	1	1	.	3	3	1	.	8	8	3	.	.	5	3	5	8	1	1	1	7	3	1	10	.	56

VICTORIA—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis		1			1			1																	1							1									1
3. Organic Heart Diseases	12	11		14	9		6	16									2			2		1		1	9	7	1		2	3	1	2	1	1	1	2	2		3	5	23
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc																																								
6. Other Diseases of Circulatory System		3		3			1	2											1		1					1						1			1				1	3
Total	12	15		17	10		7	19	1						2		1	2	1	1		1	10	8	1		2	3	1	4	1	1	2	2	2		3	6	27
V. RESPIRATION.																																								
1. Acute Bronchitis	1				1			1																		1				1									1
2. Chronic Bronchitis	1	1		1	1			2																	1	1			1								1		2
3. Broncho-pneumonia	1	2		2	1		2	1		1				1												1						1	1			1			3
4. Pneumonia	13	14		17	10		17	10		2			1	1	2	1	2	2	2	2	1	1	2	2	4	2		5	6	3	1	2	2	3			3	1	1	27
5. Pleurisy	5	1		5		1	1	4	1						1						1	1		2	1				1			1	1	1			1	1		6
6. Congestion of the lungs	3	4		5	2		1	3		1	1							1			1	1			1	1		1	1	1	1	2			1					7
7. Asthma and Emphysema																																								
8. Other Diseases of Respiratory System																																								
Total	24	22		30	15	1	24	21	1	4	1		1	2	3	1	3	2	2	4	3	1	2	5	6	6		6	9	5	3	6	3	4	2		4	3	1	46
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	2	1			3		1	2																		3						1						1	1	3
3. Infantile Diarrhœa and Cholera Infantum	3	3		6			6			6																			1			1				2	2			6
4. Diarrhœa and Enteritis (not infantile)	2	2		2	2		2	2						1				1								1	1		2							1		1		4
5. Dysentery		1		1				1																			1											1		1
6. Hernia and Intestinal obstructions																																								
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	6	2		1	4		1	7												1				2	1	4			1		1		2	1	1	1			1	8
9. Peritonitis (not puerperal)	4			4			3	1		2			1		1															2	1		1							4
10. Iliac Abscess and Appendicitis	1	1		2			2						1		1														1								1			2
Total	18	10		19	9		15	13		8			2	1		2		1		1				2	1	8	2		5		3	3	2	2	1	4	3	1	2	2	28
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	2	2		4				4											1			1			2						1			1	1		1			4
2. Bright's Disease	1			1					1																1				1											1
3. Other Diseases of Kidneys and Adnexa	1	1			2			2																	1	1								1		1				2
4. Vesical Calculi																																								
5. Diseases of the Bladder	2			2			1	1															1			1			1								1			2
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
Total	6	3		7	2		1	7	1										1			1		1	4	2		2		1		1	1	2	1	1			9

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CAUSES OF DEATHS BY COUNTIES IN 1902—WATERLOO—Population, 53,119—(Including municipalities of all classes).

General Diseases.	Sex			Nativity.			Social con			Under age.																												Months.												Total
										Under 1.																																								
Number of Column	Male.	Female.	Not stated	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0-1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over	Not given	January.	February	March.	April	May.	June	July	August	September	October	November	December												11
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										
I. COMMUNICABLE DISEASES																																																
1 Typhoid Fever	2	1		1	1	1	2	4							1		1			3		1																										6
2 Smallpox				1				1																				1	1																		7
3 Measles		1		3			3				2	1																				2	1														3
4 Scarlet Fever	1			1			1									1												1																			1
5 Whooping Cough																																															
6 Diphtheria and Croup	9	3		13		1	11					4	1	2	1	1	1	1											3		1		3		1		2	2	1	1						14
7 Influenza	2	3		3	2		1	4		1																				1	1	1							2								5
8 Other Epidemic Diseases																																															
Total	17	13		25	3	2	21	9		3	5	1	2	1	6	1	1	1		3		1			1	2	1	1	3	1	2	1	5	1	1	1	4	5	1	3						30
II. OTHER GENERAL DISEASES																																															
1 Pyaemia and Septicaemia	1	2		2	1		2	1											2	1								3																		3
2 Malarial Fever																																															
3 Tuberculosis and Scrofula	19	25		36	6	2	19	25	2	1		1		1	1	2	3	3	6	3	3	2	2	6	2	1		1	5	1	6	7	2	1	1	3	3	4	3	2						41
4 Syphilis																																															
5 Cancer	5	9		9				14													1		3		4	1	1		3		1		1	1	1	1	1	1	1						14
6 Rheumatism and Gout	2	3		3	2		1	4							2							1		3		1	1																		5
7 Diabetes	2	1		1	2			1	2											1			1	1																						3
8 Other General Diseases																																														
9 Alcoholism, Acute and Chronic	1			1					1														1									1														1
Total	30	10		18	20	2	22	13	5	1		1		1	3	2	5	3	8	7	3	3	1	10	8	6	2	1	9	4	6	11	3	6	5	5	6	6	5	4						70
Local Diseases.																																															
III. NERVOUS SYSTEM.																																															
1 Encephalitis		2		2			1	1		1									1											1	1															2
2. Simple Meningitis	6	2		8			8			3	3	1				1													1	1		3		1			2								8
3 Epidemic Cerebro-spinal Meningitis		1			1		1												1																											1
4. Congestion and Hemorrhage of Brain	21	8		9	19	1	1	20	5											2		1	4	7	9	6		1	2	2	1	2	1	2	3	2	3	3						29
5 Softening of the Brain	1	1		1	1		1	1													1			1																					2
6 Paralysis without specified cause	3	6		4	4	1	2	4	3	1													1	3	1	2	1		1	1					2	3	1	1							9
7 Insanity																																															
8. Epilepsy	2	1		3			2	1																																						3
9. Convulsions (not puerperal)	11	14		24		1	25			20	1	2	1					1											1	6	1	1	2	5	1	1	2								25
10 Other Nervous Diseases	2	1		1	2		1	1	1														2	1													1	1		1						5
Total	46	36		52	27	3	45	28	9	25	4	3	1			2	1	1	2		4	1	3	8	9	11	7		3	10	6	6	8	4	6	8	8	6	8						82

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WATERLOO.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	2	1	....	2	1	...	..	3	..	..	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	1	.	.	.	1	1	1	.	.	.	.	.	.	.	.	3
2. Skin and Adnexa (cancer excepted)	...	2	..	2	.	...	..	2	..	..	.	.	.	.	.	.	.	.	.	1	.	1	.	.	.	.	.	.	1	1	.	.	.	.	.	.	.	.	.	.	2
Total	2	3	....	4	1	.	...	5	...	....	.	.	.	.	.	.	.	.	1	1	.	1	.	1	.	1	.	.	1	2	1	1	.	.	.	.	.	.	.	.	5
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Diseases of the Bones and Joints	1	1	..	2	..	.	1	1	.	....	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	.	1	.	.	.	.	.	.	.	.	2
3. Amputation (for unspecified Diseases)	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	1	1	..	2	..	.	1	1	...	....	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	.	1	.	.	.	.	.	.	.	.	2
XI. MALFORMATIONS, ETC.																																									
1. Still Births	8	6	...	14	...	..	14	...	..	14	..	.	.	.	.	.	.	.	.	.	.	....	....	....	....	....	....	....	2	1	.	....	....	....	2	2	2	1	2	2	14
2. Congen. Debil. and Malformations	23	24	...	18	...	..	18	..	..	18	..	.	.	.	.	.	.	.	.	.	.	....	....	....	....	....	....	....	4	3	3	3	7	3	3	4	4	5	7	2	18
3. Other Diseases of Infancy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Senile Decay	36	25	..	14	47	.	2	49	10	....	.	.	.	.	.	.	.	.	.	.	.	....	....	....	2	25	33	1	4	6	14	6	5	3	2	4	7	1	3	6	61
Total	68	55	....	76	47	.	64	49	10	62	..	.	.	.	.	.	.	.	.	.	.	....	....	....	2	25	33	1	10	10	17	9	12	6	7	10	13	7	12	10	123
XII. SUICIDE.																																									
1. Poison	.	1	..	1	....	.	..	1	...	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1
2. Strangulation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Gas Poisoning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Other Methods	1	1	...	2	.	.	1	1	....	....	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	2
Total	1	2	...	3	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	.	1	.	.	.	.	.	.	1	.	1	1	.	.	.	.	.	.	3
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	3	1	.	2	1	1	....	3	1	....	.	.	.	.	.	1	.	.	.	.	.	.	.	1	2	.	.	.	1	.	.	.	.	.	.	1	2	.	.	4
2. Gunshot	1	....	...	1	....	....	....	1	..	....	.	.	.	.	.	.	.	.	.	.	.	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
3. Lightning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Drowning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Bicycles	1	....	....	1	..	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
6. Railways	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Burns and Scalds	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
8. Other accidents	3	.	...	2	1	.	2	1	..	1	1	.	.	.	.	.	1	1	.	.	.	1	.	.	1	.	.	1	.	1	.	.	1	.	.	.	.	1	.	1	3
Total	5	.	...	1	1	..	2	3	....	1	.	.	.	.	.	1	1	.	.	.	.	1	.	.	1	.	.	.	.	1	.	.	1	1	.	.	1	1	.	.	5
Total	11	1	....	11	3	1	6	9	1	2	.	1	.	.	.	1	2	.	2	.	.	1	.	2	3	.	1	..	1	3	.	1	.	1	1	3	4	..	1	15
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy	5	8	...	6	7	..	2	8	3	..	.	.	.	.	.	.	.	1	.	.	.	.	1	3	7	1	.	.	2	1	2	1	1	.	.	2	.	1	3	.	13
2. Tumors	1	....	....	1	....	....	....	3	1	....	....	....	....	....	....	....	....	....	....	1	..	1	....	2	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	1
3. Other Ill-Defined Causes	4	4	....	7	1	....	2	4	2	....	....	....	....	....	....	2	....	....	....	....	....	1	3	2	....	....	....	....	....	1	2	....	1	2	1	....	....	....	....	....	8
Total	13	12	...	17	8	...	4	15	6	....	.	.	.	.	.	2	.	1	1	.	.	2	4	7	7	1	.	.	2	2	3	2	4	.	2	4	1	1	4	.	25
Total from all causes	291	240	.	345	170	16	227	257	47	113	14	9	5	4	15	10	14	11	22	23	13	14	17	33	61	87	55	11	46	42	49	47	39	39	34	55	53	38	46	43	531

CAUSES OF DEATHS BY COUNTIES IN 1902.—WELLAND POPULATION, 31,903.—(Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc'l Con.			Ages.																											Months.												
										Under 5.																																									
	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0.1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	3	2	..	4	1	...	2	1	2	...	...	...	...	...	...	...	1	2	...	1	...	...	...	...	1	...	...	...	1	...	1	1	...	...	...	1	...	...	1	5
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Whooping Cough	1	2	...	6	..	...	6	...	...	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	1	...	1	1	...	6
6. Diphtheria and Croup	1	8	...	9	...	...	9	...	...	...	...	1	1	3	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	1	...	...	3	1	1	9
7. Influenza	..	1	...	1	..	...	..	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	8	13	..	20	1	..	17	2	2	1	2	1	1	3	3	1	1	2	...	1	...	...	...	...	1	...	1	...	1	...	3	1	2	2	1	2	1	1	2	2	21
II. OTHER GENERAL DISEASES.																																															
1. Pyaemia and Septicaemia	2	...	...	2	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	2
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	13	6	...	15	3	1	11	5	3	...	...	...	...	...	...	1	2	3	3	1	4	2	...	2	...	1	...	...	1	3	2	...	2	3	1	...	1	1	3	2	19
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	8	6	...	5	9	...	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	7	3	...	3	...	2	3	2	...	1	1	...	2	1	2	...	...	14
6. Rheumatism and Gout	2	...	...	2	...	...	2	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	2
7. Diabetes	1	4	...	5	...	...	3	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	2	...	1	1	...	...	1	...	5
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	26	16	..	29	12	1	18	21	3	..	..	..	..	..	3	1	3	4	3	1	5	3	1	11	3	1	3	..	4	6	4	..	5	5	2	3	3	3	1	3	42
Local Diseases.																																															
III. NERVOUS SYSTEM.																																															
1. Encephalitis	3	2	..	5	....	...	3	2	...	..	..	2	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	1	1	1	..	..	1	1	..	..	..	5
2. Simple Meningitis	1	1	...	1	..	1	3	2	...	..	..	..	..	1	1	..	1	1	..	..	1	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	2	..	..	..	5
3. Epidemic Cerebro-spinal Meningitis	..	1	....	1	..	..	..	1	...	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
4. Congestion and Hemorrhage of Brain	6	6	...	8	4	..	3	8	1	...	...	...	...	...	...	...	...	...	...	1	...	1	4	1	4	1	..	2	..	1	3	..	..	1	1	..	3	..	1	12
5. Softening of the Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Paralysis without specified cause	14	19	...	13	18	2	6	26	1	...	...	...	..	..	..	1	..	..	1	..	1	..	1	4	3	19	1	..	4	4	4	..	2	5	2	..	5	2	1	1	33
7. Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Convulsions (not puerperal)	4	3	....	7	....	..	6	1	...	5	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	1	..	1	..	1	1	1	1	..	..	7
10. Other Nervous Diseases	1	1	....	1	1	....	....	2	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	2
Total	29	36	....	39	25	3	21	12	2	5	2	..	..	1	3	..	2	2	1	1	3	1	8	6	21	6	..	8	5	7	5	4	5	5	3	9	6	3	5	65

WELLAND. *Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Endocarditis		1	..	1	.	....	1	..	.	1							1																						1	1
2. Organic Heart Diseases	12	17	.	15	9		9	11	1	....		..					2				3		1	6	9			1	2	1	2	1	3	2	3	1	3	1	1	21
3. Angina Pectoris	1	1	.	2				2	.													1				1									1		1			2
4. Arteries, Atheroma, Aneurism, etc.		1	.	1			1											1																					1	1
5. Other Diseases of Circulatory System	1	2		3		..	1	2	.									1							1				1								1	1		3
Total	14	17	...	22	9		12	18	1	..							2	1	..		3	1	4	6	9	1	1		1	3	1	2	4	3	2	4	1	5	1	4	31
V. RESPIRATION.																																								
1. Acute Bronchitis	2	1	..	3	..	...	3	...	..	..	2	..							1	..		..							1	.	2	.	.	.	.	.	.	.	.	3
2. Chronic Bronchitis		1	.	3	1	..	2	..	..	....										..		..				1	1	1	1	.	1	.	.	.	.	.	1	.	1	4
3. Broncho pneumonia	3	.		3		.	3	.	.	.	.									..		..							1	.	1	.	.	.	..					2
4. Pneumonia	9	9		15		...	12	6	..	2	2		1				2	1					2	5	1	2			5	5	1	.	2	2			1	..	2	1	17
5. Pleurisy		2	.	2		..		2	..								1						1														1	..			2
6. Congestion of the Lungs, inc. pul. apo			..	1	1	..	1	1	..															2			..				1	.	.				..	1	.		2
Total	14	16		24	7	...	20	11	..	1	4			1			3	2				4	8	2	3			8	6	4	1	3	2	.	2	..	3	2		31
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	1		.	1	.	...	...		1	.																1				.							1		1
2. Other Dis. of the Stomach (cancer excepted)	2	1	..	3			3																			1	1	1	.	1	.						1		1	3
3. Infantile Diarrhœa and Cholera Infantum	9	9		16	2	.	18	....		11	3	1																		1	3	1		1	3	2	.	.	17
4. Diarrhœa and Enteritis (not infantile)	1	3		3	1	.		1	.													2				1	1												4
5. Dysentery		2		1	1		1	1	.	..		1	.														1								2					4
6. Hernia and Intestinal obstructions	.	.	.	..	.																																		..	.
7. Other Diseases of the Intestines		1		1			1														1	.															1			1
8. Diseases of the Liver	2	2		2	2		1	3		..															3		1			1	.	1	1	1		2		1		5
9. Peritonitis, not puerperal		3		3	.	.	.	3	..													2	1	1		1			1	1	.						1			5
10. Iliac Abscess and Appendicitis	3	1		3	1		3	1	..	.					1	2								1					..	1	.				1			1		4
Total	20	22		32	10		24	17	1	11	3	1			1	2					1	2	3	2	2	6	3	1	1	5	2	3	2	1	3	12	7	3	1	2	12
VII. GENITO URINARY SYSTEM																																								
1. Acute Nephritis	...	2	..	2				2	..	....									2				1						2											2
2. Bright's Disease	11	3		10	1	...	1	21	1	....				.		1	..	1	2	..	..	1	1	2	6	..	..		2	1	2	2	.	1	1	2	2	..	1		11
3. Other Diseases of Kidneys and Adnexa	1	1		5	....	.	....			....														1	1	3	..	..	.	1	.	1	.		1	1	..	1		5
4. Vesical Calculi	.	...		.	.	.	....			....																														
5. Diseases of the Bladder	1	..	.		1	.	....	1	....	..															1	..	..								1			..		1
6. Diseases of the Male Genital Organs	.			.	..	..	....	..	....	....																												..		
7. Metritis	...				....		....	..	....	....																												..		
8. Other Diseases of the Uterus	.	...	.	.		.	....	..	....	....																														
9. Other Diseases of Female Genital Organs							....	..	....	....																														
Total	16	6	..	17	.	.	1	20	1	..				.		1		3	2			1	2	4	9	.		1	2	2	2	1	.	2	1	3	3	.	2		32
VIII. PUERPERAL DISEASES																																								
1. Puerperal Septicæmia							....		....																													....		
2. Puerperal Albuminuria and Convul	...	1	...	1	.	.	....	1	.	...								1											11	...			...							1

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CAUSES OF DEATHS BY COUNTIES, IN 1902.—WELLINGTON.—Population, 56,202. (Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																											Months.												Total.
										Under 5.																																									
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not Stated.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	11	2	..	12	1	..	8	4	1	..	..	..	..	..	1	1	..	2	2	3	..	..	1	2	1	..	..	..	1	1	1	2	1	1	1	2	1	..	1	1	13
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	3
4. Scarlet Fever	2	1	..	2	1	....	2	1	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	2	1	1	..	1	..	..	..	8
5. Whooping Cough	5	3	..	8	..	..	8	..	..	6	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	1	..	1	..	1	..	..	9
6. Diphtheria and Croup	5	4	..	9	..	..	9	..	..	1	1	..	1	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7. Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other Epidemic Diseases	..	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	23	10	....	31	2		27	5	1	7	3	..	2	7	2	..	2	2	3	1	..	1	2	1	..	..	..	2	2	2	7	4	2	3	2	3	..	5	1	33
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	5	4	..	5	1	..	2	6	1	..	..	..	..	..	..	2	..	2	..	..	..	..	1	4	..	..	..	..	..	3	..	1	1	..	..	1	..	..	1	9
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	20	13	..	30	13	..	31	31	1	1	..	1	..	..	1	..	9	6	6	5	3	7	6	6	7	..	1	2	1	5	6	10	3	8	8	6	4	2	5	5	63
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	10	14	..	10	14	..	4	19	1	..	..	..	..	..	..	..	..	..	..	1	3	..	..	12	5	3	..	..	3	1	2	2	5	2	..	2	3	1	2	1	24
6. Rheumatism and Gout	1	4	..	1	4	..	2	3	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	1	1	..	..	1	2	..	1	2	..	..	..	1	..	..	..	5
7. Diabetes	5	6	..	6	5	..	4	7	..	..	..	..	..	2	..	..	1	..	..	1	..	..	1	..	1	5	1	..	..	1	1	1	2	..	..	1	1	3	..	..	11
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	41	71	....	72	40	...	43	66	3	1	..	1	..	2	1	2	10	7	8	6	7	7	6	8	25	13	6	2	6	9	12	14	13	11	8	9	9	7	7	112
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	1	2	.	3	..	..	2	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	3
2. Simple Meningitis	8	6	...	14	..	...	12	2	....	5	..	1	..	..	1	1	2	2	1	..	..	..	1	..	..	..	..	..	..	..	..	3	4	1	..	1	1	3	..	1	14
3. Epidemic Cerebro-spinal Meningitis	3	..	..	3	..	..	3	..	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	3
4. Congestion and Hemorrhage of Brain	8	11	.....	9	10	....	3	16	...	..	..	..	..	..	..	..	..	..	..	..	..	..	2	5	4	7	1	..	1	1	3	..	2	1	1	3	..	4	3	..	19
5. Softening of the Brain	....	1	....	1	..	....	1	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
6. Paralysis without specific cause	8	12	....	6	14	....	2	18	....	..	..	..	..	..	1	..	..	..	1	1	..	..	1	..	6	8	2	..	2	3	3	2	2	1	..	2	3	1	1	..	20
7. Insanity	....	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	....	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Convulsions (not puerperal)	6	6	...	12	..	....	11	1	....	5	2	2	..	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	1	2	..	3	..	..	2	..	1	1	1	..	12
10. Other Nervous Diseases	1	..	..	1	..	..	..	..	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Total	35	38	....	49	24	...	35	38	...	11	2	3	1	..	3	3	4	2	2	1	1	..	5	6	11	15	3	..	4	6	9	11	5	4	3	8	5	9	5	4	73
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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WELLINGTON.—*Continued.*

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
2. Skin and Adnexa (cancer excepted)	....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1
Total	1	1	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	2
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Diseases of Bones and Joints	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Amputation (for unspecified Dis.)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
XI. MALFORMATIONS, ETC.																																								
1. Still births	10	12	3	25	....	....	25	....	....	25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	2	1	3	4	3	2	3	2	1	1	25
2. Congen. Debility and Malformations	29	27	....	56	....	....	56	....	....	54	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11	7	6	4	5	4	5	6	4	....	1	56
3. Other Diseases of Infancy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Senile Decay	54	49	..	11	90	2	15	87	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	39	45	17	6	13	9	10	11	2	4	7	8	8	10	15	103
Total	93	88	3	92	90	2	96	87	1	79	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	39	45	17	20	22	15	15	19	10	12	15	15	10	11	20	184
XII. SUICIDE.																																								
1. Poison	3	....	....	1	2	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	3	....	....	....	....	6
2. Strangulation	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
3. Gas Poisoning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Drowning	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
5. Firearms	....	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
Total	1	2	....	1	5	....	2	4	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	1	....	2	....	....	....	....	....	....	....	1	3	1	1	....	....	6
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	3	1	....	3	1	....	4	....	....	....	....	1	....	1	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	2	....	4
2. Gunshot	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Drowning	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Electric Cars	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Railways	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Burns and Scalds	....	2	....	2	....	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	2
7. Poison	2	1	..	2	1	....	2	1	..	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	1	....	1	....	5
Total	5	4	....	7	2	....	7	2	....	1	....	1	....	2	....	1	1	....	1	....	....	1	....	....	....	1	....	....	....	....	....	1	1	....	2	1	....	1	1	....	9
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	2	5	....	2	5	....	1	6	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	2	1	2	....	....	1	2	....	....	1	....	1	....	2	....	7
2. Tumors	1	2	....	1	2	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	....	....	....	....	1	....	....	....	1	....	1	....	....	3
3. Other Ill Defined Causes	3	3	....	3	3	....	2	4	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	3	1	....	....	1	....	1	....	....	1	....	....	....	2	1	6
Total	6	10	..	6	10	....	3	13	....	....	....	....	1	....	1	....	....	....	1	1	....	....	....	....	4	2	2	....	1	....	2	2	1	1	1	....	1	3	3	16
Total from all causes	295	320	3	384	232	2	291	321	6	116	12	7	4	8	19	13	19	24	18	20	16	14	16	42	86	93	71	20	46	57	62	70	56	41	42	51	43	46	44	60	618

CAUSES OF DEATHS BY COUNTIES IN 1902.—WENTWORTH.—Population, 80,246.—(Including municipalities of all classes.)

General Diseases.	Sex.			Nativity.			Social con.			Ages.																				Months.												Total
										Under 5.																																
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0-1	1-2	2-3	3-4	4-5	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 & over.	Not given.	Jan.	Feb.	March.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1 Typhoid Fever	10	5	...	12	3	..	8	7	....	..					1	2	2	1	.	1	2	1	1	1	1			2			2	..		1	2	3	2	2	3	15
2 Smallpox	...	...	...	...	...	...	...	..	....	.																															
3 Measles	1	1	....	2	....	..	2	..	....	2																						1	1	.						3
4 Scarlet Fever	1	2	...	2	1	....	3	...	....	....																			1	1	1	2	.	1	.	1	.	.	.	.	13
5 Whooping Cough	4	9	.	12	1	...	13	..	.	8	2	1			3														3	4	2	2	3	1	1	1	1	.	1	20
6 Diphtheria and Croup	13	7	.	16	1	3	20	.	..	2	1	2	1	1	8	2	3													1	1										2
7 Influenza	2	...	....	....	2	..	....	2	....	..					.		.										2													
8 Other Epidemic Diseases	...	...	....	....	....	....	....	....	...	..					.																									
Total	31	24	.	41	8	3	46	9	.	12	3	3	1	1	11	4	5	1	.	1	2	1	1	1	1	1	2	.	2	1	7	9	6	1	6	2	1	1	3	2	1	80
II. OTHER GENERAL DISEASES.																																									
1 Pyæmia and Septicæmia	6	6	.	9	3	....	8	1	.	....	1		.	.	.	2	2		.	1	1	1		1	1	1	1	..	1	1	1	.	.	2	1	1	2			1	12
2 Malarial Fever	...	1	...	1	...	....	....	1	....	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	1
3 Tuberculosis and Scrofula	61	61	...	93	29	....	51	59	9	6	2		1	.	2	9	13	13	10	13	11	12	10	13	6	1	.	6	11	17	12	9	9	7	15	13	10	5	8	122
4 Syphilis	...	...	...	...	...	....	...	...	...	..																															
5 Cancer	32	29	...	28	32	1	6	41	1	...	.		.	1	1	.	1			2	2	5	11	17	9	2	.	1	3	3	4	1	6	5	6	6	6	2	5	61
6 Rheumatism and Gout	7	2	.	2	7	....	3	6	...	....									1				1	3	1	..		1	.	3	2			2				1		9
7 Diabetes	4	3	...	5	2	...	1	6	..	....														1	3	2	..					1	1	1			2	1		7
8 Other General Diseases	....	..	....	....	....	....	..	....	...																		..													
9 Alcoholism, Acute and Chronic	.	1	....	1	...	..	....	1	....	...														1			..					1								1
Total	101	102	....	139	63	1	72	121	10	6	3	.	.	1	1	3	11	16	11	11	17	14	17	25	37	22	4	1	12	18	23	20	13	19	11	24	19	18	9	11	203
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1 Encephalitis	2	1	..	3	..	...	3	....	..	2	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1	.	.	1	.	.	.	.	.	.	3
2 Simple Meningitis	6	6	...	11	1	....	8	4	..	1	2	1	.	.	1	.	.	.	.	.	.	.	1	3	.	.	.	.	.	2	1	2	..	1	2	2	2	.	.	.	12
3 Epidemic Cerebro-spinal Meningitis	1	3	...	1	..	....	4	....	.	2	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	1	.	1	.	.	.	4
4 Congestion and Hemorrhage of Brain	25	25	..	17	31	2	2	16	2	..			..		.		.		.	1	.	.	1	8	11	15	11	.	1	2	5	5	7	4	6	1	1	2	3	3	80
5 Softening of the Brain	1	.	.	1	..	...	....	3	1	....			..		.		.		.	1	.	.	.	1	2	.	.	.	.	2	.	1	1	.	.	.	.	.	.	.	4
6 Paralysis without specific cause	8	13	....	10	11	....	1	20	..	....			..		.		.		.	.	.	.	1	3	1	7	5	1	..	3	1	3	.	1	2	.	.	.	2	1	21
7 Insanity	2	3	....	4	1	....	.	5	....	....			..		.		.		.	.	.	2	.	2	1	.	.	.	1	.	.	.	.	.	.	1	.	.	1	.	5
8 Epilepsy	1	1	....	3	2	...	1	3	1	....			..		.		.		.	1	.	.	1	1	1	1	.	.	1	1	3	2	1	5	.	2	3	1	2	2	33
9 Convulsions (not puerperal)	13	9	....	21	1	...	21	1	...	14	3	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	44
10 Other Nervous Diseases	2	....	....	1	1	....	1	1	....	....			..		.	1	.		.	.	.	.	.	.	.	1	.	.	.	.	.	..	.	.	.	.	1	.	.	.	2
Total	64	64	....	78	48	2	41	83	4	22	5	1	2	.	2	1	.	.	.	3	.	4	6	19	23	21	15	1	9	10	15	11	13	13	10	12	10	5	10	10	128

WENTWORTH.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	8			6	2		2	5	1							1			1			1	1	2		1	1	4						1	1			2		8
4. Angina Pectoris	27	30		39	18		17	38	2		1				2	4	1	1	1	3	4	1	5	19	15			2	5	9	6	1	3	5	1	5	8	6	6	57
5. Arteries, Atheroma, Aneurism, etc		3			3			3																	2	1			1											8
6. Other Diseases of Circulatory System	7	3		7	3		5	5							1					2	1	1		1	4				1	1			2		2	1		2	1	10
Total	42	36		52	26		24	51	3		1				3	5	1	1	1	4	6	2	7	20	20	5	1	1	7	6	10	6	1	6	6	4	6	8	9	9	78
V. RESPIRATION.																																								
1. Acute Bronchitis	5	4		7	2		6	2	1	6																3		1		2	1	2	1	1		1			9
2. Chronic Bronchitis	9	3		1	11		3	8	1															1	4	5	2		3	2	1		1				4		1	12
3. Broncho-Pneumonia	6	11		12	5		10	7		6	3	1								1			1	1	1	2	1		3	1	1	2	1	1	2	1	1		1	2	17
4. Pneumonia	39	33		37	35		27	42	3	6	2	1	1		2	4	1		1	3	3	1	3	10	12	8	11	3	9	12	10	12	5	5	1	3	5		4	6	72
5. Pleurisy	2			2			1	1												1					1															2
6. Congestion of the Lungs	2	2		2	2			4											1					1	1		1			1							1			2
7. Asthma and Emphysema	1	2		1	2		1	2																2			1				1							1	2	4
8. Other Diseases of Respiratory System																																								3
Total	64	55		62	57		48	66	5	18	5	2	1		2	4	1		2	5	3	1	4	14	19	16	17	5	16	15	15	16	10	8	4	4	8	5	6	12	119
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	1	2		3	3		3	3			1												1		1	3			1			1			1			1	2	6
3. Infantile Diarrhœa and Cholera Infantum	11	14		25			24	1		21	3	1												2		3	1			1				2	12	8	1			25
4. Diarrhœa and Enteritis (not infantile)	4	6		7	2	1	2	8					1			1				1	1			2		3	1					1		1	1	2	3		2	10
5. Dysentery		1				1		1																1																1
6. Hernia and Intestinal obstructions	3	12		4	11		1	14									1			1		1	3	5	1	3		1	4		1	2	1		2		1	3		15
7. Diseases of the Liver	11	4		8	7		3	12				1							1		1	3	2	3	3	1		2	1	1	2		2		2		1	3		15
8. Peritonitis (not puerperal)	4	10		8	5	1	3	9	2									1	2	2	1	1	1		4	1	1		2	1	1	2		2		2	1	1	2	1	15
9. Iliac Abscess and Appendicitis	7	5		11	1		11	1							3	2	1	3		1	1			1					1	1	1		1	1		4		1	2		12
Total	44	54		66	29	3	47	49	2	21	4	1		1	3	2	3	4	2	4	3	6	4	9	13	11	6		8	6	3	6	7	5	4	25	12	7	10	5	98
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	6	1		1	6		1	5	1		1										1			2	3			2		1	1				1		1		7
2. Bright's Disease	14	8		13	9		6	16					1			1	1	1	1	1	1	4	1	4	4	2		1	2	2	1	2	2	2	2	2	1	3	2	22
3. Other Diseases of Kidneys and Adnexa	8	5		6	7		4	7	2											1	1	1	1	3	4	2			1		5	2		1	1		1	1	1	13
4. Vesical Calculi																													1											
5. Diseases of the Bladder	3	1		1	3			4																		3	1			1				1				1	1	4
6. Diseases of the Male Genital Organs																																								
7. Metritis																										1														
8. Other Diseases of the Uterus		1			1			1																																
9. Ovarian Cysts and Ovarian Tumors		3			3			3																1	2															3
10. Other Diseases of the Female Genital Organs																																								
Total	31	19		21	29		11	36	3		1			1		1		1	1	1	3	2	5	5	12	12	5		4	4	3	7	5	2	4	5	2	3	7	4	50

VIII. PUERPERAL DISEASES.

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CAUSES OF DEATHS BY COUNTIES IN 1902. YORK.—Population, 275,389. (Including municipalities of all classes)

General Diseases.	Sex.			Nativity.			Social cond.			Ages																								Months.												Total
										Under 5.																																						
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5.	6-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April	May	June	July	Aug.	Sept.	Oct	Nov.	Dec.												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41												
I. COMMUNICABLE DISEASES.																																															
1 Typhoid Fever	18	22	.	24	11	2	17	21	2	.	.	1	1	.	1	7	.	5	8	3	1	2	1	.	5	1	.	.	5	3	1	2	2	1	1	1	7	3	5	6												40
2. Smallpox	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.												.
3. Measles	7	8	.	13	2	.	15	.	.	4	5	1	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	3	2	4	.	1	.	.	.	.												15
4. Scarlet Fever	17	18	.	30	5	.	9	.	.	1	6	15	19	13	32	5	1	2	1	.	.	.	.	.	.	.	.	.	.	16	13	11	10	3	7	2	.	2	6	10	12												95
5. Whooping Cough	7	9	.	15	1	.	16	.	.	11	4	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	3	2	2	.	3	2	1	1												16
6. Diphtheria and Croup	72	65	.	131	5	1	122	1	1	7	18	18	19	11	12	6	1	3	2	2	1	.	.	1	.	.	.	.	13	9	11	19	12	7	8	1	8	17	13	13												137
7. Influenza	5	6	.	5	6	.	2	.	.	.	1	.	.	.	.	.	.	.	.	1	.	1	.	2	1	2	3	.	3	1	1	1	1	1	.	.	.	2	1												11
8. Other Epidemic Diseases	1	1	.	1	1	.	2	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	.	1	.	.	.	.	.	.	.	.												2
Total	157	159	.	279	31	3	279	25	31	23	31	39	40	27	77	11	12	6	8	11	1	2	3	7	6	3	3		43	29	35	39	20	19	11	8	19	27	31	32												316
II. OTHER GENERAL DISEASES.																																															
1. Pyæmia and Septicæmia	19	16	.	26	9	.	16	11	5	2	1	1	2	1	2	1	.	5	1	1	5	1	1	1	2	1	.		6	6	5	3	3	4	2	.	1	1	2	2												35
2. Malarial Fever	1	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.												1
3. Tuberculosis and Scrofula	201	203	.	302	91	8	221	161	22	28	11	5	3	.	8	11	32	67	48	37	37	32	26	31	20	6	.	1	37	10	15	28	37	23	30	38	38	28	21	36												104
4. Syphilis	1	1	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	1	.	1	.	.	.	.	.	.												2
5. Cancer	63	102	.	68	78	9	16	135	14	.	.	.	.	.	.	.	.	.	.	1	8	11	11	11	19	28	10	.	11	22	12	10	12	12	25	5	13	12	15	16												165
6. Rheumatism and Gout	14	8	.	9	13	.	8	12	2	.	.	.	.	.	2	1	1	.	.	2	2	3	3	2	5	1	.	.	2	1	.	4	1	1	4	.	1	.	3	2												22
7. Diabetes	11	13	.	15	9	.	7	13	4	.	1	.	.	.	.	.	2	1	.	3	3	1	6	1	2	1	.	.	2	1	1	4	2	1	2	.	1	2	6	2												24
8. Other General Diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.												.
9. Alcoholism, Acute and Chronic	3	2	.	3	2	.	1	3	1	.	.	.	.	.	.	.	.	2	2	1	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	1	2	.	.												5
Total	313	345	.	423	218	17	269	341	18	25	13	6	5	1	12	13	33	74	54	45	56	51	47	88	77	42	12	1	58	70	65	50	56	44	61	43	56	44	50	58												658
Local Diseases.																																															
III. NERVOUS SYSTEM.																																															
1. Encephalitis	11	6	.	17	.	.	16	1	.	7	1	2	1	1	1	1	1	.	.	1	1	.	.	.	.	.	.	.	.	1	2	2	3	.	.	3	1	3	2	.												17
2. Simple Meningitis	39	44	.	73	8	2	69	13	1	25	12	6	7	3	6	3	8	2	2	.	1	1	1	1	3	2	.	.	8	9	14	7	6	3	2	7	6	5	4	12												83
3. Epidemic Cerebro-spinal Meningitis	10	15	.	23	2	.	20	5	.	6	2	.	2	2	6	2	.	.	.	.	2	1	.	.	1	.	.	.	1	1	7	3	3	.	1	1	3	1	3	1												25
4. Congestion and Hemorrhage of Brain	96	82	.	72	105	3	21	158	19	1	.	.	.	.	.	.	1	1	1	7	2	8	10	21	15	51	20	4	24	9	24	19	11	7	15	12	16	9	11	20												178
5. Softening of the Brain	11	9	.	2	18	.	1	16	3	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	7	6	3		3	1	1	1	.	1	.	1	1	1	3	1												20
6. Paralysis without specified cause	50	32	.	31	11	1	15	58	9	.	.	2	.	.	.	1	.	1	1	2	3	5	1	3	23	19	11	1	1	7	7	7	9	6	7	10	5	7	5	8												82
7. Insanity	11	10	.	11	17	.	2	13	9	.	.	.	.	.	.	.	.	.	.	.	.	1	2	6	6	5	1	.	5	3	2	3	1	2	1	4	2	.	1	.												24
8. Epilepsy	11	7	.	12	6	.	8	8	2	.	.	.	.	.	.	.	1	3	.	2	3	2	1	1	5	.	.	.	3	1	1	3	4	.	.	1	1	.	1												18
9. Convulsions (not puerperal)	59	28	.	86	1	.	87	.	.	67	9	7	2	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	9	9	7	6	9	5	9	8	6	5	5	9												87
10. Other Nervous Diseases	8	3	.	4	7	.	2	7	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	8	1	1		.	.	1	.	1	2	2	1	1	2												11
Total	309	236	.	334	202	9	241	259	45	106	21	17	12	7	14	6	15	6	4	12	10	19	21	17	97	87	36	5	57	44	66	51	50	27	34	19	43	32	35	57												545
IV. CIRCULATORY SYSTEM.																																															
1. Pericarditis	5	6	.	8	3	.	7	4	.	.	.	.	.	.	2	2	.	2	.	1	.	2	.	.	.	2	.	.	2	.	.	.	1	.	.	6	.	.	1	1												11

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YORK.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1 Erysipelas	10	5		10	4		9	5	1	8	1	..					..	..						1	1	1	2	1	1	1	2	1	1	1	2	5	1	1	1	15
2 Skin and Adnexa (cancer excepted)	5	2		8	6		1	8	2			1							1	1	1	1	2	5	1	1			1	2	1	3	1			1		2	1	2	11
Total	15	1		18	11		13	13	3	8	1	1							1	1	1	1	2	6	2	2	2	1	2	3	3	4	2	1	2	4	1	2	2	3	29
X. LOCOMOTOR SYSTEM.																																									
2 Diseases of Bones and Joints	4	6		7	3		5	4	1				1		1		1							1	2	1			1	1		2			2	2	1	1			10
3. Amputation (for unspecified Diseases)																																									
Total	4	6		7	3		5	4	1				1		1		1							1	2	1			1	1		2			2	2	1	1			10
XI. MALFORMATIONS, ETC.																																									
1 Still births	110	82	1	199			19			199																			15	12	15	16	21	20	18	12	18	18	17	17	199
2 Congen. Debility and Malformations	266	181		111			141			11																			31	22	13	39	49	32	31	40	12	37	36	39	411
4 Senile Decay	112	135		6	176	4	24	186	35															18	102	125			27	33	16	22	14	18	19	17	23	16	25	15	245
Total	488	398	1	706	176	4	664	186	35	640														18	102	125			73	67	74	77	84	70	68	69	83	71	78	71	885
XII. SUICIDE.																																									
1 Poison	3	7		3	7		1	8	1								1	1			2	1	2	2	1					2			1	3	1	3			10
2 Other Methods	1	1		1		1	1	1										1					1														1	1		2
3 Gas Poisoning	2						1	1									1								1				1											2
4 Drowning	1				1			1													1										1									1
5 Firearms	1			2	8		1	3													1		2	1												1	1	1	1	4
Total	11	8		6	12	1	4	14	1								2	1	1		3	1	5	4	1	1			1	3				1	3	3	5	2	1	19
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	29	9		17	19	2	12	22	1				1			1			7	1	1	3	3	5	5	2	5	1		2	5	4	2	1	7	4	1	6	3	3	58
2 Gunshot	2			2			2										2																					1			2
3. Lightning		1			1			1																1											1						1
4. Drowning	15	1		12	2	2	13	1		1			6		2	2	1	1	1	1	1	1		1						1	3	2	1	3	3	1	2			16
5. Electric Cars	1	3		4			2	2								2			1		1			1									2			2			4
6. Railways	9	1		6	1	5	4	4	2								1	2		2	2	1		1			1		1	1	2	2		1		1	1		1	10
7. Burns and Scalds	4	6		7	3		7	3					1	1	2	1	3			1			1											1	1	3	1		1	10
8. Other Accidents	27	10		19	11	4	15	15	4	1				1	3	1	8		3	2	4	1	4	2	5		2	3	3	2	2	3	3		3	2	9	3	4	37
Total	87	31		67	40	11	56	48	13	2		1	1	8	6	7	12	13	8	7	10	6	12	8	8	5	4	3	6	9	11	13	5	15	11	8	21	7	9	118
XIV. ILL DEFINED CAUSES.																																									
1 Dropsy	6	9		1	14			15	2											1	2	2	2	1	7				1	1	3	1	1	3	1	2	1		1	15
2. Tumors	16	3		18	10	1	7	17	5		1	1					1		3	3	3	4	7	6	1				2	2	4	2		1	4	2	4	4	1	3	29
3. Other Ill-defined Causes	16	24		21	18	1	8	23	9		3	1	1		1					2	2	2	6	10		1	1		3	6	5	6	2	4	3	3	1	3	3	1	40
4 Tetanus	3			1	2			2	1													1	1	12									2						1	3
5. Anthrax	1			1			1															1							1											1
6 Judicially executed	1				1		1												1															1						1
Total	83	36		42	45	2	17	55	17		4	2	1		1				4	6	9	13	20	18	9	1			5	10	10	11	3	8	11	6	7	8	4	6	89
Total from all causes	2108	1906	1	2706	1229	78	2130	1629	256	1042	125	86	70	47	145	69	100	162	113	132	152	148	163	337	434	418	247	25	350	326	369	373	338	271	301	347	343	310	320	367	4015

CAUSES OF DEATHS BY CITIES IN 1902. -TORONTO.—Population, 210,120.

General Diseases.	Sex.			Nativity			Social condition.			Ages.																								Months.												Total
										Under 5.																																						
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0-1	1.	2	3.	4.	5-9	10-14.	15-19.	20-24.	25-29.	30-34	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																													
1. Typhoid Fever	13	17	...	17	13	....	15	13	2	.	.	1	1	.	1	.	7	1	1	5	3	1	.	2	3	1	..	.	5	3	.	2	1	.	1	.	1	2	3	6	30
2. Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Measles	5	6	....	9	2	....	11	...	....	3	1	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	4	3	1	3	.	.	.	.	.	.	.	.	11
4. Scarlet Fever	46	44	....	85	5	....	90	...	..	1	5	14	19	13	30	4	1	2	1	.	.	.	.	.	.	.	.	.	16	12	13	8	3	7	2	.	2	6	10	11	90
5. Whooping Cough	4	6	...	9	1	....	10	...	..	6	3	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	1	1	.	2	2	.	.	.	10
6. Diphtheria and Croup	61	55	...	115	4	..	111	4	1	5	16	16	17	10	37	6	4	2	2	2	1	.	.	1	.	.	.	.	11	5	12	18	9	7	8	3	7	16	11	12	119
7. Influenza	5	4	...	4	5	..	1	8	...	....	1	.	.	.	.	.	.	.	.	1	.	1	.	2	1	.	3	.	2	1	1	1	.	1	.	.	.	2	1	9
8. Other Epidemic Diseases	...	1	....	...	1	...	1	...	....	...	.	.	.	.	.	.	.	.	.	.	.	.	.	1	..	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
Total	137	133	....	239	31	....	242	25	3	15	29	34	37	23	60	10	12	5	7	8	4	2	1	5	4	1	3	.	39	21	28	35	14	16	14	5	15	24	26	30	270
II. OTHER GENERAL DISEASES.																																													
1. Pyæmia and Septicæmia	16	13	..	20	9	..	12	12	5	2	1	1	2	1	1	..	.	5	4	3	4	1	1	.	1	2	1	.	.	5	5	5	3	3	2	2	..	.	1	1	2	29
2. Malarial Fever	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
3. Tuberculosis and Scrofula	170	162	.	238	89	5	187	128	17	18	11	4	2	..	7	9	26	59	11	27	33	24	20	28	14	5	.	1	27	36	33	21	33	18	27	31	29	25	22	30	332
4. Syphilis	1	1	...	...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	2
5. Cancer	52	81	..	47	77	9	12	110	11	...	...	...	...	...	...	...	...	...	.	3	7	9	12	31	38	21	9	.	8	20	11	9	11	10	23	3	11	8	11	8	133
6. Rheumatism and Gout	12	5	...	7	10	..	7	8	2	...	.	.	.	1	1	1	.	.	.	2	2	3	2	2	3	.	.	.	2	1	.	3	1	2	3	.	1	.	3	1	17
7. Diabetes	9	11	.	11	9	...	7	9	4	...	1	.	.	.	.	.	.	2	1	.	3	2	1	1	4	1	1	.	2	.	1	4	2	1	2	.	1	2	3	2	20
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Alcoholism, Acute and Chronic	2	2	..	3	1	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	1	1	...	...	...	...	2	...	...	4
Total	263	275	....	326	193	11	226	272	40	20	13	5	4	1	9	10	27	66	16	33	50	10	38	71	60	31	10	4	14	62	52	41	51	33	57	31	41	37	10	43	538
Local Diseases.																																													
III. NERVOUS SYSTEM.																																													
1. Encephalitis	9	5	..	14	....	...	14	....	..	6	..	2	1	1	1	1	1	.	.	.	.	1	.	.	.	.	.	.	.	1	1	1	3	.	.	2	1	3	2	.	14
2. Simple Meningitis	30	34	..	57	7	...	51	12	1	18	9	4	7	2	5	3	4	2	2	.	1	1	1	1	3	1	.	.	6	8	12	6	6	2	1	4	2	5	5	9	64
3. Epidemic Cerebro-spinal Meningitis	6	15	..	19	2	..	18	3	...	1	2	.	2	2	6	2	.	.	.	.	1	.	.	2	.	.	.	.	.	1	7	3	2	.	1	.	3	1	2	1	21
4. Congestion and Hemorrhage of Brain	67	71	..	49	86	3	13	109	16	.	.	.	.	.	.	.	3	.	1	2	2	8	9	18	37	12	11	4	22	7	17	13	11	5	8	10	10	8	10	17	138
5. Softening of Brain	10	7	....	2	15	...	1	13	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	3	5	3	3	.	3	3	.	1	.	3	..	1	1	1	3	1	17
6. Paralysis without specified cause	40	24	..	24	36	1	12	11	8	.	.	.	2	.	.	.	.	1	.	1	1	2	3	1	11	18	13	7	1	4	4	4	5	9	6	5	8	3	6	3	7	64
7. Insanity	7	4	..	5	6	..	2	8	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	1	3	3	.	1	.	1	1	1	1	1	1	1	3	1	.	.	11
8. Epilepsy	8	7	....	9	6	...	6	8	1	.	.	.	.	.	.	.	.	5	.	2	3	1	1	.	5	.	.	.	2	1	1	3	3	..	.	1	1	.	.	3	15
9. Convulsions (not puerperal)	41	25	..	68	1	..	69	...	....	52	7	6	2	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	8	5	6	6	8	4	6	7	5	5	4	5	69
10. Other Nervous Diseases	8	3	.	4	7	....	2	7	2	....	.	.	.	.	.	.	.	.	.	.	.	.	1	.	8	1	1	.	.	.	1	..	1	.	1	.	2	2	1	1	2	11
Total	229	195	....	251	166	7	188	201	32	80	18	14	12	6	13	6	9	9	4	6	9	17	18	38	79	62	2	5	16	31	50	39	41	21	23	38	29	30	28	15	421

Number of column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	2	3	...	4	1	..	3	2	.					1			1		1		2	.						2										1	1	5
2. Endocarditis	7	7	..	6	8	..	4	10	..	..				1		1	2				1		2	3	4			2	1	2	2	4	1	1	.	2	1	1		11
3. Organic Heart Diseases	97	120	..	92	120	5	46	147	24	...	1	1	1	5	9	6	4	1	13	17	10	15	31	42	45	11	1	18	15	14	15	24	15	14	22	26	21	18	18	217
4. Angina Pectoris	6	2	.	4	3	1	.	7	1														2	3	3				1	2	1		1					3		8
5. Arteries, Atheroma, Aneurism, etc	9	8		8	8	1	1	16	.	....							1	1	1			1	2	1	6	3	2	.	2			1	1	3	1		4	2	3	17
6. Other Diseases of Circulatory System	9	17	. .	11	11	1	6	15	5	..		1	.	.		1	1	2		1	3				3	4	1	1	2	4	3	4	1	1	3	5	2	1	3	1	2	29
Total	130	157		128	151	8	60	197	30		1	1	1	1	5	7	8	10	5	15	20	16	17	11	59	58	11	5	26	19	21	23	28	21	19	24	21	33	26	26	287
V. RESPIRATION.																																								
1. Acute Bronchitis	20	23	...	38	5	...	11	2	...	29	6	1	1	.	1	.	.	.	.	.	.	.	1	3	5	7	4	.	1	1	.	3	2	2	1	1	.	3	1	3	13
2. Chronic Bronchitis	10	10	.	1	16	..	1	16	3	..															1	2	1		5	2	7	3	7	6	1	2	4	1	3	6	17
3. Broncho Pneumonia	22	25	..	13	1	...	12	5	...	23	7	5	1	1	1	.	.	1	.	1	.	.	.	.	1	2	1	.	5	2	7	3	7	6	1	2	4	1	3	6	17
4. Pneumonia	101	78	..	99	69	1	71	88	10	18	8	4	3	3	3	2	5	10	4	5	10	6	9	22	29	20	12	1	16	18	16	23	15	11	9	2	7	7	25	26	169
5. Pleurisy	5	8		7	6	. .	3	9	1	.		1	.		1		1	.	1				1	1	2	2	.		2	2	3	1	1				1	.		13
6. Congestion of the Lungs	9	11	.	7	12	1	4	15	1	1	1	..						1	2		2			2	2	4	1	1	1	3	3	1	3		1	4	3	1		29
7. Asthma and Emphysema	7	9	..	3	13	....	2	13	1	.	.	.			1					.	1		1	2	8	3		2		1	1	2	1	3	2		2	1	1	16
Total	174	154	..	201	125	2	164	148	16	71	22	11	8	4	9	5	6	12	6	7	13	6	12	31	42	39	21	2	33	35	31	38	36	25	14	9	13	18	31	42	528
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	4	2		3	3	..	1	3	2								.	1		1		.		2	2				1	.				1	.	2	1	1	6
2. Other Diseases of Stomach (cancer excepted)	9	1	.	8	5	.	5	7	1	1		1		1			.	1	.				1	1	1	2	1	.	.	1	.	3	2	1	2	2	1			13
3. Infantum Diarrhœa and Cholera Infantum	80	58		125	13		138	.	.	128	9	1																2	3	6	4	1	4	11	52	32	9	5	6	138
4. Diarrhœa and Enteritis (not infantile)	7	8	...	5	10	.	3	9	3	..				1		1	.			2	.	1	1	.	2	5	2	.		1	1	1	2	1	.	1	3	.	.	15
5. Hernia and Intestinal obstructions	18	18	.	18	16	2	11	20	5	.	3	1	1	.	.	.	1	2	.	1	.	.	1	10	6	1	3	.	3	1	3	2	3	4	4	.	2	3	2	3	36
6. Diseases of the Liver	18	25	.	20	21	.	15	23	5	..	.	2	.	.	.	.	.	.	.	5	3	1	5	8	7	6	3	1	3	7	.	6	3	5	2	.	3	.	3	3	11
7. Peritonitis (not puerperal)	19	29		36	11	1	28	19	1	2	1	.	1	1	5	1	6	9	3	4	1	4	.	1	3	1	1	1	3	2	2	2	8	3	5	3	5	7	6	18
8. Iliac Abscess and Appendicitis	9	5	.	11	.	....	8	4	2	...	.	.	.	.	1	5	1	.	1	.	1	2	1	1	.	1	.	.	2	.	2	.	2	2	1	1	.	2	2	14
Total	164	147	.	229	79	3	307	85	19	131	13	5	2	3	6	7	8	13	4	16	5	8	9	26	21	19	10	2	15	19	12	20	15	25	29	67	15	21	22	21	311
VII. GENITO URINARY SYSTEM.																																								
1. Acute Nephritis	10	22	.	22	10	. .	16	14	2	4	1	1	.	1	3	2	.	3	2	.	5	1	1	2	.	3	.	2	2	8	3	1	1	2	2	1	3	4	.	32
2. Bright's Disease	65	31	....	46	44	9	20	64	12	.	.	.	.	.	2	.	1	2	2	1	7	10	10	15	24	16	6	.	5	5	5	12	8	9	8	11	6	8	7	12	96
3. Other Diseases of Kidneys and Adnexa	3	10		8	1	1	5	7	1	....	1	.	.	1	2		.	.	.	.	1	.	1	2	1	2	2	.	3	1	2	.	2	.	.	1	1	1	1	13
4. Vesical Calculi	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5. Diseases of the Bladder	9	....	..	3	6	....	3	9	1	.	.	.	.	.	.	1	.	.	.	.	.	.	1	1	2	2	1	1	2	1	.	.	2	.	2	2	.	.	.	.	9
6. Diseases of the Male Genital Organs	1	...	..	1	.	..	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
7. Mettitis	.	1	. .	1	...		1	.	..	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1
8. Other Diseases of the Uterus	.	1	...	.	1	....	...	1	....	....															1				.	.	.	1	.	.	.	.	.	.	1
9. Ovarian Cysts and Ovarian Tumors	...	3	....	2	....	1	1	2	...	.	.	.	.	.	.	.	.	.	.	1	.	.	1	1	.	.	.	.	.	2	.	1	.	.	.	.	.	.	.	3
10. Other Diseases of Female Genital Organs	.	1	.	....	....	1	1	...	...	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1
Total	88	69	...	83	66	8	47	91	16	1	2	1	.	1	6	5	1	6	4	2	15	11	13	21	29	23	9	1	16	10	18	15	13	12	10	16	10	12	12	13	157
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia	....	2	..	..	2	....	....	2	...	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	2
2. Puerperal Albuminuria and Convulsions	.	7	.	5	2		...	5	2	.	.	.	.	.	.	.	.	3	2	2	.	.	.	.	.	.	.	.	.	2	.	1	.	1	.	1	1	1	.	7

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CAUSES OF DEATHS BY CITIES IN 1902—HAMILTON—Population, 53,160.

General Diseases.	Sex.			Nativity.			Social Con.			Ages.																						Months.												Total.
										Under 5.																																			
	Male.	Female.	Not Stated.	Canada.	Foreign.	Not Stated.	Single.	Married.	Not Stated.	0-1	1	2	3	4	5-9.	10-14.	15-19	20-24.	25-29	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Total.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																											
1. Typhoid Fever	9	1	..	8	2	....	7	3	....	....	.	.	.	.	.	2	2	.	.	1	1	.	1	1	.	.	.	2	.	.	1	.	.	1	2	1	1	1	3	10
2. Smallpox	...	...	..	...	...	....	...	...	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	....	.	.	.	.	.	.	.	.	.	.	.	.	.....
3. Measles	1	1	...	2	..	....	2	...	....	2	..	..																					1	1	.	..	.	.	.	2
4. Scarlet Fever	1	2	..	2	1	...	3	...	...	...	.	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	.	.	.	.	.	.	.	.	.	3
5. Whooping Cough	2	9	...	10	1	...	11	...	..	6	2	1	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	3	1	.	1	.	1	.	.	.	11
6. Diphtheria and Croup	12	6	..	15	1	2	18	...	...	2	1	2	.	1	8	1	3	.	.	.	.	.	.	.	.	.	.	.	3	1	2	1	2	1	1	1	1	1	.	1	18
7. Influenza	1	.	..	...	1	....	...	1	...	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1
8. Other Epidemic Diseases	...	...	..	...	...	....	...	...	....	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.....
Total	26	19	..	37	6	2	41	4	...	10	3	3	.	1	13	3	5	.	.	1	1	.	1	1	.	1	.	2	1	6	8	3	3	6	2	4	2	2	1	1	45
II. OTHER GENERAL DISEASES.																																											
1. Pyæmia and Septicæmia	5	1	....	7	2	...	6	3	...	....	1	.	....	..	.	1	2	.	1	.	1	.	1	.	1	.	1	.	3	.	.	2	1	1	1	.	.	1	9
2. Malarial Fever	...	...	....	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....
3. Tuberculosis and Scrofula	42	46	....	66	22	...	37	45	6	6	2	1	.	1	.	2	7	9	8	8	10	9	8	6	8	3	1	.	5	8	8	8	7	7	3	13	12	7	4	6	88
4. Syphilis	...	...	....	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....
5. Cancer	15	22	...	19	18	...	1	32	1	.	.	.	.	.	.	.	.	1	...	2	2	4	9	13	6	.	.	.	3	1	3	3	1	4	5	5	3	6	1	2	37
6. Rheumatism and Gout	5	2	..	1	6	...	2	5	...	....	.	.	.	.	.	.	.	.	.	.	.	.	1	2	4	.	.	.	1	.	3	1	.	2	.	.	.	.	.	.	7
7. Diabetes	2	..	..	1	1	...	...	2	...	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	1	.	.	.	.	.	1	.	2
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....
9. Alcoholism, Acute and Chronic	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....
Total	69	71	....	91	49	..	49	87	7	6	3	.	1	.	2	8	12	8	9	12	12	12	17	21	15	1	1	9	12	14	12	11	14	9	19	15	13	6	9	143
Local Diseases.																																											
III. NERVOUS DISEASES																																										
1. Encephalitis	2	1	...	3	...	....	3	...	....	2	..	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	..	1	.	1	.	.	1	.	.	.	.	.	.	3
2. Simple Meningitis	6	4	....	9	1	....	6	4	....	3	1	1	.	1	.	1	.	.	.	.	.	.	1	3	.	.	.	..	.	2	.	2	.	1	1	2	2	.	.	.	10
3. Epidemic Cerebro Spinal Meningitis	1	3	....	4	...	....	4	...	....	2	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	..	.	.	2	.	.	.	1	.	1	.	.	.	4
4. Congestion and Hemorrhage of the Brain	19	16	....	12	22	1	2	32	1	...	.	.	.	.	.	.	.	.	.	1	.	.	1	6	10	10	7	..	2	1	3	1	6	8	4	1	3	1	4	3	35
5. Softening of the Brain	4	.	..	4	...	...	...	3	1	...	.	.	.	.	.	.	.	.	1	.	.	.	1	2	.	.	.	..	.	2	.	1	1	.	.	.	.	.	.	.	4
6. Paralysis without specified cause	6	7	....	1	9	..	1	12	....	....	.	.	.	.	.	.	.	.	.	.	.	1	2	1	6	3	.	.	1	1	2	.	3	.	1	3	.	.	1	1	13
7. Insanity	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....
8. Epilepsy	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....
9. Convulsions (not puerperal)	12	7	..	18	1	..	18	1	....	13	2	2	.	.	.	.	.	.	.	.	.	.	1	.	.	.	1	..	.	1	3	2	1	3	1	2	2	1	2	1	19
10. Other Nervous Diseases	2	...	..	1	1	..	1	1	...	..	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.	..	.	.	.	.	.	.	.	1	1	.	.	.	2
IV. CIRCULATORY SYSTEM. **Total**	52	38	..	55	31	1	35	53	2	20	3	4	1	2	1	.	.	1	1	1	5	11	19	13	7	1	1	4	7	11	9	11	8	8	9	8	3	7	5	90
1. Pericarditis	..	...	...	...	...	...	....	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.....

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HAMILTON.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	3	1		2	2	...	1	3	..	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	1	.	.	1	.	.	.	1	.	.	1	.	1
2. Skin and Adnexa (cancer excepted)	1	1	...	1	1	....	...	2	.	...	.	.	.	.	.	.	.	.	.	1	.	1	.	.	.	.	.	.	1	.	1	.	.	.	.	.	.	.	.	.	2
Total	4	2	...	3	3	....	1	5	..	1	.	.	.	.	.	.	.	.	.	1	1	2	.	.	1	.	.	.	1	1	1	.	1	.	1	.	.	.	.	1	3
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease	...	.	.	.	.	.	.	.	.	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2. Diseases of Bones and Joints	...	.	1	.	1	...	...	1	.	...	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
3. Amputation (for unspecified diseases)	....	.	.	.	.	...	...	.	.	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	.	.	1	.	1	....	.	1	..	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
XI. MALFORMATIONS, ETC.																																								
1. Still Births	26	15	6	17	..	..	17		...	17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	2	4	4	3	5	5	2	6	3	.	17
2. Congen. Debil. and Malformations	37	32	2	71	.	..	71	.	.	71	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	1	7	7	9	5	6	7	4	4	3	4	.	71
3. Other Diseases of Infancy	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4. Senile Decay	35	43	.	8	69	1	6	67	5	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	12	31	1	6	7	5	10	7	5	10	11	2	5	3	7	.	78
Total	98	90	8	126	69	1	124	67	5	118	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	12	31	1	7	9	15	19	20	14	21	23	11	11	12	17	.	196
XII. SUICIDE.																																								
1. Poison	2	1	..	1	2	....	1	2	...	...	.	.	.	.	.	.	.	.	.	.	.	2	.	1	.	.	.	.	.	.	.	.	.	.	2	.	1	.	.	.	3
2. Strangulation	...	...	.	..	...	..	..	..	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3. Gas Poisoning	...	...	.	.	...	..	..	..	.	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4. Drowning	....	...	.	.	....	....	....	....	..	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	2	1	...	1	2	....	1	2	..	....	.	.	.	.	.	.	.	.	.	.	.	2	.	1	.	.	.	.	.	.	.	.	.	.	2	.	1	.	.	.	3
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	4	3	...	2	5	....	1	6	....	....	.	.	.	.	.	.	.	1	.	2	.	.	.	1	2	.	1	.	.	1	1	2	.	.	1	.	.	.	2	.	7
2. Drowning	...	...	...	...	...	....	...	...	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3. Electric Cars	...	...	...	...	...	....	...	...	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4. Railways	3	.	.	.	2	1	1	2	....	....	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	.	3
5. Burns and Scalds	1	1	....	2	....	....	1	1	....	....	1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	2
6. Homicide	...	...	...	...	...	...	...	...	...	...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7. Other accidents	8	2	....	5	5	...	3	7	....	....	1	.	.	.	.	1	.	.	.	.	2	.	2	3	1	.	.	.	1	.	1	2	3	1	..	1	.	1	.	.	10
Total	16	6	..	9	12	1	6	16	....	....	1	1	.	.	.	1	.	2	.	2	2	1	3	5	3	.	1	.	.	1	1	3	5	1	3	1	.	1	.	1	22
XIV. ILL-DEFINED CAUSES.																																								
1. Dropsy	1	5	....	1	5	...	..	6	....	....	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	3	2	.	1	1	.	.	.	.	.	2	.	1	.	1	6
2. Tumors	...	4	....	1	3	..	1	3	....	...	.	.	.	.	.	.	.	.	1	.	1	.	.	.	.	2	.	.	.	.	1	.	.	.	1	.	.	.	.	.	4
3. Other Ill-Defined Causes	1	.	...	3	4	....	4	5	..	....	.	.	1	.	.	1	.	1	.	.	.	1	.	.	.	3	.	.	1	1	1	1	.	1	.	2	.	1	.	1	9
4. Lockjaw	....	1	....	1	....	...	1	....	..	....	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1
Total	5	15	....	8	12	..	6	11	...	....	.	.	1	.	1	1	.	2	.	1	.	1	1	5	5	2	.	3	3	1	2	.	1	1	4	.	3	.	2	.	20
Total from all causes	395	372	8	467	301	7	361	391	23	188	15	10	3	2	24	17	18	23	13	26	30	26	38	67	99	104	62	10	70	64	73	76	69	64	60	86	54	50	48	61	775

CAUSES OF DEATHS BY COUNTIES IN 1902.—OTTAWA. Population, 60,527.

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																								Months.												Totals.
										Under 5.																																						
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3	4.	5.	10 to 14.	15-19	20-24.	25-29	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over	Not given	January	February.	March.	April	May	June	July.	August	Sept.	Oct	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																													
1 Typhoid Fever	12	7	...	17	1	1	15	3	1	1	..	..	1	..	1	1	1	5	2	3	2	..	1	..	..	1	..	1	1	1	1	2	..	1	1	1	1	1	2	..	19
2. Smallpox	....	2	....	2	....	....	2	....	....	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2
3. Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Scarlet Fever	23	16	...	38	1	..	37	1	1	2	1	10	5	9	7	1	..	..	..	..	..	1	..	..	..	..	..	..	3	2	6	5	1	5	3	2	1	1	3	1	39
5. Whooping Cough	2	2	..	4	..	....	4	..	....	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	1	..	..	4
6. Diphtheria and Croup	27	18	....	15	....	....	41	1	..	6	9	10	8	3	5	3	..	..	1	..	..	..	..	..	..	..	..	..	6	1	5	1	..	2	2	..	3	9	1	12	45
7. Influenza	2	....	..	....	2	....	..	1	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..	1	..	..	..	..	..	..	..	2
8 Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	66	45	...	106	4	1	102	6	3	13	11	20	14	12	13	9	5	2	4	2	..	1	1	..	1	..	2	1	11	7	13	8	1	13	6	4	8	15	9	13	111
II. OTHER GENERAL DISEASES.																																										
1. Pyaemia and Septicaemia	6	6	....	9	3	...	9	6	1	1	..	..	..	..	2	..	..	2	1	1	1	..	1	..	1	2	..	..	2	1	5	1	..	2	1	..	..	..	..	..	12
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	55	65	..	98	22	....	51	56	10	9	2	..	1	1	3	3	8	18	15	16	13	6	8	12	3	..	1	1	7	11	12	21	7	15	3	7	6	17	9	5	120
4. Syphilis	2	..	..	1	1	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	2
5 Cancer	15	19	...	29	3	2	5	28	1	..	..	..	..	..	..	..	..	1	..	..	1	1	1	6	15	1	2	..	1	1	2	4	1	5	1	3	5	3	1	1	34
6. Rheumatism and Gout	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
7 Diabetes	1	2	..	6	..	..	1	2	..	..	..	..	..	..	1	..	..	1	..	..	..	1	1	1	1	..	..	..	1	..	..	..	..	1	..	..	1	1	1	1	6
8. Other General Diseases	2	3	...	5	..	..	2	3	..	..	..	1	..	..	..	..	..	..	..	2	1	..	1	..	..	..	..	..	2	..	1	..	1	..	..	..	..	1	1	..	5
9. Alcoholism, Acute and Chronic	1	....	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Total	86	95	..	149	29	3	72	96	13	10	3	1	1	2	6	3	8	22	16	17	17	11	11	22	20	7	4	1	11	16	29	27	10	23	6	10	12	21	12	10	181
Local Diseases.																																										
III. NERVOUS SYSTEM																																										
1. Encephalitis	4	3	....	7	....	..	5	....	2	1	1	..	1	..	1	..	..	..	1	..	..	..	..	1	..	..	1	..	..	2	..	1	..	1	..	1	..	..	..	2	7
2 Simple Meningitis	16	18	..	33	1	..	32	2	....	11	1	1	1	1	2	..	1	1	1	..	1	1	..	..	..	..	..	..	5	3	5	5	1	1	3	1	2	1	1	34
3 Epidemic Cerebro spinal Meningitis	1	2	..	3	..	..	2	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	3
4 Congestion and Hemorrhage of Brain	10	13	..	11	8	1	1	19	3	....	..	..	..	..	..	..	..	..	..	..	..	2	1	..	1	5	1	2	2	1	..	2	1	5	2	2	2	2	1	3	23
5 Softening of the Brain	2	1	..	2	1	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	1	1	..	..	..	..	..	..	..	..	1	..	3
6 Paralysis without specified cause	11	8	..	12	5	2	2	15	2	..	..	..	..	..	..	..	..	..	1	..	..	1	2	5	7	3	..	..	2	3	..	3	1	2	1	1	1	2	1	2	19
7 Insanity	..	1	..	1	..	....	1	..	....	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
8 Epilepsy	..	1	..	1	..	..	1	..	..	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
9 Convulsions (not puerperal)	36	29	...	61	1	..	61	1	..	60	..	1	2	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	6	3	6	5	9	8	1	7	1	3	8	5	65
10 Other Nervous Diseases	1	1	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	2
Total	81	77	...	139	16	3	109	41	8	72	3	5	7	1	3	1	1	2	3	..	1	1	4	10	12	13	8	3	11	17	9	17	18	18	8	15	8	8	11	15	158

OTTAWA.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	1			1				1														1																			1
2. Endocarditis	4	6		9	1		1	9				1									3	2		1	2		1	2		3		1		2	1		1			10
3. Organic Heart Diseases	15	28		27	11	2	7	30	6							2	2		2	2	4	4	12	10	3	2		6	6	3	1	5	1	1	3	2	5	1	6	13
4. Angina Pectoris	4	1		1	4			5															2	1	2			1							2		1	1		5
5. Arteries, Atheroma, Aneurism, etc.	2			2			1		1														1	1						1										2
6. Other Diseases of Circulatory System	5	3		6	2		1	7														1	1	2	4			1	2				2	1		1	1			8
Total	31	38		46	21	2	10	52	7			1				2			2	2	5	8	5	18	18	5	3		10	8	8	1	5	7	2	5	7	6	3	7	49
V. RESPIRATION.																																								
1. Acute Bronchitis	9	9		13	5		12	5	1	9	1		1									1		1	4	1		2	1	2	1	3	3		2		1	1	2	18
2. Chronic Bronchitis	5	4		7	2		2	6	1		1											1		2	2	3			1	2		2	2				1		1	9
3. Broncho pneumonia	19	5	1	25			23	1	1	15	2	4	1		1							1			1			3	1	6	1	4	1	1		2	2	2	2	25
4. Pneumonia	31	30		18	12	1	31	26	1	8	2	2	1	3	1	3	1	1	3	3	3	3	3	2	9	9	4	10	6	8	9	10		1	2	1	1	4	6	61
5. Pleurisy		3		2	1		2	1									1	1				1						1	1				1							3
6. Congestion of the Lungs	2	1		3			1	1	1									1				1		1				2											1	3
7. Asthma and Emphysema	4	2		2	4		1	4	1			1										1		1	1	2			2	1	1	1			1					6
8. Other Diseases of Respiratory System	1			1			1										1																							1
Total	71	54	1	101	24	1	73	44	9	32	6	6	4	3	2	3	2	4	3	3	3	8	4	4	13	18	8		20	11	19	12	19	10	3	4	3	5	7	13	126
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	2			2			2												1		1							1										1	2
2. Other Dis's. of the Stomach (cancer excepted)		4		3	1		3	1		2									1			1							1			1		1				1	4
3. Infan. Diarr and Cholera Infantum	26	30		55	1		56			50	5		1															1	1	3	2	1	4	10	21	8	4	1	56
4. Diarrhœa and Enteritis (not infantile)	5	1		5	1		3	3							1				1						2	2		1						4			1		6
5. Dysentery		2		1	1		1	1		1															1					1					1				2
6. Hernia and intestinal obstructions	7	4		9	2		5	6		1					1	1			1			1	2	2	2			1		1	1	1		2	1	1	1	2	11
7. Other Diseases of the Intestines	2	2		1			3	1		1	1							1	1									2		1	1								4
8. Diseases of the Liver	4	6		8	2		2	7	1									1				1	2	3	1	1	1	1	1		2		1			2	2		1	10
9. Peritonitis (not puerperal)	4	16		16	4		11	7	2			1		1	2	2	5		1		3	3		2				2	3	6	1				3	3		2	20
10. Iliac Abscess and Appendicitis	5	2		6	1		5	1	1						1	1	2		1	1		1	1						1	3	1	1			1				7
Total	55	67		109	13		91	27	4	55	6	1	1		3	4	3	9	5	1	1	4	7	6	9	5	1	1	6	7	11	13	4	7	14	26	14	11	2	7	122
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis	8	5		8	5		9	4		1		1	1		3	2				1		1		2			1		2	2	4	2					1	1	1	13
2. Bright's Disease	3	4		5	2		3	3	1								1		2					3	1							1		2	1		1	1	1	7
3. Other Diseases of Kidneys and Adnexa		1		1			1													1																		1		1
4. Diseases of the Bladder	8			4	4			8															1	1	2	1			1	1	1		1	2	1		1		8
5. Metritis		1		1			1											1										1											1
6. Other Diseases of the Uterus		1			1		1													1											1								1
7. Other Diseases of female Genital Organs		1		1				1											1											1									1
Total	19	13		20	12		15	16	1	1		1	1		3	2	1	1	1	4	1	1		3	7	3	2		2	4	5	5	1	3	3	1		4	2	2	32
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia		2		1	1			2											2										2										2

	609	574	5	1002	170	16	748	380	60	424	35	38	29	19	32	27	25	46	37	37	32	47	35	69	90	87	72	7	112	123	100	120	63	94	91	92	80	99	1188
2. Puerperal Albuminuria and Convul.			41		30	1			4													2	1	1																4
3. Other accs. of Preg., Sudden Death			2		2				2													1	1																	2
Total			5		6	2			8												2	3	2	1																8
IX. THE SKIN.																																							
1. Erysipelas			21			21		1	1																										1				2
2. Skin and Adnexa (cancer excepted)			1		2	1		1	2																														3
Total			3		2	3		2	3																														5
X. LOCOMOTOR SYSTEM.			2																																				
1. Pott's Disease																																							
2. Disease of Bones and Joints			1					4	1																														
3. Amputation (for unspecified diseases)																																							
Total			1					4	1																														
XI. MALFORMATIONS, ETC.																																							
1. Still Births			42		80		59			80																													
2. Congen. Debility and Malformation			29		136		156			156																													
3. Other Diseases of Infancy			4		5		7			33																													
4. Senile Decay			12		33		1		10																														
Total			86		254		223		10	240																													
XII. SUICIDE.																																							
1. Poison			1		2																																		
2. Strangulation																																							
3. Drowning																																							
Total			1		2																																		
XIII. ACCIDENT.																																							
1. Fractures and Dislocations			4			1																																	
2. Gunshot			1																																				
3. Asphyxiated																																							
4. Drowning																																							
5. Electric Current																																							
6. Ill Defined																																							
7. Railways																																							
8. Burns and Scalds																																							
9. Electricated																																							
10. Poison																																							
Total																																							
XIV. ILL DEFINED CAUSES.																																							
1. Dropsy																																							
2. Tumors																																							
3. Other Ill Defined Causes																																							
Total																																							
Total from all causes																																							

CAUSES OF DEATHS BY CITIES IN 1902. LONDON—Population, 38,360

General Diseases.	Sex.			Nativity			Soc'l con.			Ages.																								Months.												Total
										Under 5.																																						
	Male.	Female.	Not Stated	Canada.	Foreign.	Not Stated.	Single.	Married	Not Stated	0-1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over.	Not given.	January	February	March	April	May	June	July	August.	September.	October	November.	December.							
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40							41
I. COMMUNICABLE DISEASES.																																														
1 Typhoid Fever																																															
2. Smallpox																																															
3 Measles																																															
4. Scarlet Fever	1			1			1								1																										1					1
5. Whooping Cough																																															
6 Diphtheria	8	9		17			17				1		2		3	10	1										1		2	2			1		2	2	4	1	3							17
7 Influenza	1				1			1																							1															1
8. Other Epidemic Diseases	1			1			1						1																		1															1
Total	11	9		19	1		19	1		1		2	1	3	11	1										1		2	2	1	1		1		2	2	1	1	1							20
II. OTHER GENERAL DISEASES.																																														
1. Pyæmia and Septicæmia	3	2		5			1	4									1			1	1	1		1							2				1		1	1								5
2. Malarial Fever																																														
3. Tuberculosis and Scrofula	38	30		56	12		55	25	8	5	1	1	1		2	7	7	13	9	3	3	6	1	6	1	2			3	7	5	10	6	5	6	4	6	6	2	8						68
4. Syphilis																																														
5. Cancer	11	20		12	19		2	26	3												5	4	7	10	4	1			6	2	2	1	1	4	3	3	2	3	2	2						31
6. Rheumatism and Gout	1	4		2	3		3	2									1		1					1	1	1							1					3	1						5
7. Diabetes		3		3			3								1		1				1											1				1		1						3
8. Other General Diseases		1		1			1						1																							1								1
9. Alcoholism, Acute and Chronic																																														
Total	53	60		79	34		45	57	11	5	1	1	2		3	9	8	14	10	1	10	10	9	17	6	1			9	9	9	12	7	10	9	8	9	11	8	12						113
Local Diseases.																																														
III. NERVOUS SYSTEM.																																														
1. Encephalitis	3	1		3	1		3	1		1					1			1				1							2										2							4
2. Simple Meningitis	4	1		5			5			2					2		1												3	1					1										5
3. Epidemic Cerebro-spinal Meningitis	2	2		3	1		2	2							1	1								1	1						1	1	1						1					4
4. Congestion and Hemorrhage of Brain	19	6		9	16		2	19	4										1	2	2			7	7	5	1		2	5	1	1	1	2	3	2	2	2	1	3						25
5. Softening of the Brain																																														
6. Paralysis without specified cause	8	11		9	10		3	14	2												1		3	2	2	8	3		2		1	1	2	3	2	2			2	1						19
7. Insanity																																														
8. Epilepsy	2	2		1	3		2	1	1								1		1						1	1						2				1				1					4
9. Convulsions (not puerperal)	12	7		18	1		19			17	1	1																	3	2	2		2	2		3	2	2	1						19
10. Other Nervous Diseases	4	1		4	1		3	1	1						1		1		1						2				1					2		2									5
Total	54	31		52	33		39	38	8	20	1	1			5	1	2	2	2	3	3	1	3	10	13	14	4		13	8	8	5	6	9	6	10	4	4	7	3						85
IV. CIRCULATORY SYSTEM.																																														
1. Pericarditis																																														

| | | |

LONDON. *Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (other excepted)	1	1	..	1	1	...	1	1	..												1		1								1			1						2
Total	1	1	....	1	1	..	1	1	...												1		1								1			1						2
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease																																								
2. Diseases of the Bones and Joints																																								
3. Amputation (for unspecified Diseases)																																								
Total																																								
XI. MALFORMATIONS, ETC.																																								
1. Still Births	18	15	...	33	...	...	33	...	...	33	..																		2	1	2	3	4	2	6	3	2	2	3	33
2. Congen. Debility and Malformations	22	11	..	33	...	...	33	..	...	3																			3	3	4	4	5	4	1	1	2	3	3	33
3. Other Diseases of Infancy																																								
4. Senile Decay	34	29	...	7	56	...	3	50	10																1	19	39	1	4	2	6	7	5	4	3	5	4	9	7	7	63
Total	74	55	...	73	56	..	69	50	10	66															1	19	39	1	9	5	14	13	13	12	6	11	8	13	12	13	129
XII. SUICIDE																																								
1. Poison	...	1	..	1	...	...	1	...	....	...	..						1	..																				1	..	1
2. Strangulation	1	..	....	....	1	...	....	1	....	....															1	..										1	....	....	..	1
3. Gas Poisoning																																								
4. Drowning																																								
Total	1	1	....	1	1	..	1	1	....	..							1	..							1	..										1	..	1		2
XIII. ACCIDENTS																																								
1. Fractures and Dislocations	9	3	..	8	1	....	5	5	2	...	.		1	.	.	1	.	3		1	1	2	1	1	...	.	1	.	1	3	1	1	1	1	.	.	1	2	1	.	12
2. Gunshot	1	....	.	1	..	..	1	....	....	....								1											1	..										1
3. Electric Cars	..	....	...	....	....	....	....	....	....	....																														
4. Railways	1	1	...	2	...	..	2	..	....	....							1											1	..								2	..	2
5. Burns and Scalds																																								
6. Homicide																																								
7. Poison																																								
Total	11	1	..	11	1	....	8	5	2	...	.	.	1	.	2	.	4	.	1	1	2	1	1	.	.	1	1	2	3	1	1	1	1	.	.	1	2	1	2	15
XIV. ILL DEFINED CAUSES.																																								
1. Dropsy	4	....	....	3	1	...	1	3	...	....	....	....	.	.	1	..	.	.	.	.	.	.	.	.	2	1	.	.	2	.	1	.	.	.	1	.	.	.	.	4
2. Tumors	2	6	....	5	3	...	4	4	..	..								1			2	2	2	.	.	1	.	1	1	1	.	3	1	.	.	.	1	.	.	8
3. Other Ill-Defined Causes	6	5	....	5	6	...	2	7	2	..							1	.	.	.	1	.	.	4	1	5	1	.	.	.	1	.	.	.	1	3	2	.	2	2	11
4. Lockjaw	1	....	....	1	..	..	1	....	....	....															1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1
Total	13	11	...	14	10	...	8	14	2	...	.	.	1	.	1	1	1	.	.	3	2	2	4	4	4	4	2	.	1	3	2	1	4	1	1	4	2	1	2	2	24
Total from all causes	322	260	...	359	222	1	265	264	53	124	13	5	8	5	19	9	19	20	24	20	21	25	29	46	70	59	64	2	54	45	47	43	57	57	33	48	46	42	52	58	582

General Diseases.	Sex.			Nativity.			Social con.			Ages.																			Months.												Total.
										Under 5.																															
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0-1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over.	Not given.	Jan.	Feb.	March	April	May	June.	July	Aug.	Sept	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																								
1. Typhoid Fever	1			1			1										1																		1					1
2. Smallpox																																								
3. Measles																																								
4. Scarlet Fever																																								
5. Whooping Cough		1		1			1			1																									1					1
6. Diphtheria and Croup	2	2		4			4			2	1			1															1								3			4
7. Influenza																																								
8. Other Epidemic Diseases																																								
Total	3	3		6			6			3	1			1	1														1						1	1	3			6
II. OTHER GENERAL DISEASES.																																								
1. Pyæmia and Septicæmia	1	1		1	1		1	1			1										1											1		1					2
2. Malarial Fever																																								
3. Tuberculosis and Scrofula	19	18		33	2	2	28	6	3	5	1	1			2	4	6	3	6	3	1	1	2	2					2	3	3	3	2	5	2	4	5	4	1	3	37
4. Syphilis																																								
5. Cancer	6	5		6	5		1	8	2													1	1	4	2	3			1	1			3	3	1			2		11
6. Rheumatism and Gout	1			1				1																	1								1							1
7. Diabetes		2		1	1			1	1												1						1								2				2
8. Other General Diseases																																								
9. Alcoholism, Acute and Chronic																																								
Total	27	26		42	9	2	30	17	6	5	2	1			2	1	6	3	6	5	1	2	3	6	3	3	1		3	1	3	3	3	9	6	7	5	4	3	3	53
Local Diseases.																																								
III. NERVOUS SYSTEM.																																								
1. Encephalitis	1	1		2			2				1	1																								2				2
2. Simple Meningitis	1			1			1			1																												1		1
3. Epidemic Cerebro-spinal Meningitis	1			1				1																1						1										1
4. Congestion and Hemmorrhage of Brain	7	5		3	9		3	6	3								2				1				7	2	1						1	2	2	1	4	2		12
5. Softening of the Brain	1	1		2			1	1		1													1											1				1		2
6. Paralysis without specified cause	7	9		6	10		3	10	3															1	7	7	1			1	2	2		1	1	2		2	3	2	16
7. Insanity																																								
8. Epilepsy		1		1				1													1																1			1
9. Convulsions (not puerperal)	2	1		3			3			2	1																				1						1		1	3
10. Other Nervous Diseases	1			1				1																1								1								1
Total	21	18		20	19		13	20	6	4	2	1				1					2		1	8	14	9	2			2	3	3	1	4	3	3	7	6	5	2	39

KINGSTON.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																								1										1							1
2. Endocarditis	1				1			1									1	2	1	2	1	1	1	1	2	5	2	1	1	1	1	1	3	2	3	1	3	2	2	1	21
3. Organic Heart Diseases	5	10		11	6	1	6	1		1																														
4. Angina Pectoris																																								
5. Arteries, Atheroma, Aneurism, etc.																																								
6. Other Diseases of Circulatory System	2			1		1	1	1														1			1								2							5
Total	8	10		15	7	2	7	17		1						1	2	1	2	1	1	2	1	3	6	2	1		1	1	1	1	3	5	3	1	3	2	2	1	24
V. RESPIRATION.																																								
1. Acute Bronchitis				2			2			2															1	1			2				1					1		8
2. Chronic Bronchitis	1	1		1	1			2			1																												5
3. Broncho pneumonia		2		1	1		1	1																																5
4. Pneumonia	12	11		20	5		18	8			1				1	1	1		1	1	1	1		3	1	2	2		5	2	5	1	1		3	3		1	5	56
5. Pleurisy	1	2		2	1			3												1				1		1											1	1		3
6. Congestion of the Lungs	1	3		3	1		2	1	1	1										1				1		1						1			1	1		1		4
7. Asthma and Emphysema	2	1			2	1	1	2																1	1	1			2	1										3
8. Other Diseases of Respiratory System																																								
Total	17	25		29	11	2	21	17	1	11	2				1	1	1	1	2	1	1		6	4	6	2		8	5	7	1	2		3	4	4		2	9	42
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach		1		1			1												1														1							1
2. Other Diseases of Stomach (cancer excepted)	1	2		3			2	1		1					1												1		1						1	1				3
3. Infan. Diarr. and Cholera Infantum	1	5		5	1		6			5	1																		1						3	2				6
4. Diarrhœa and Enteritis (not infantile)	1	3		3	2	1	1	2							1	2				2	1			1	1			2			1	1		1		2	1			2
5. Dysentery	1	1			2		1	1																	1	1			2											2
6. Hernia and Intestinal obstructions		1			1			1																	1												1			1
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	3	1		2	2			3	1										1		1					1		1		1		1								1
9. Peritonitis (not puerperal)	2	3		3			1	1							1																				2	1	2				5
10. Iliac abscess and appendicitis	3			3			3			1						1			1																		1	1			3
Total	12	19		22	8	1	21	9	1	7	1				3	4	1	1	2	2	1		2	2	3	1	1	5		2	1	3	3	3	7	5	2			31
VII. GENITO URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	4	4		5	3		5	5												2	1		2	2	2	1			1		1		2	1		2		1	8
3. Other Diseases of Kidneys and Adnexa	1	1		2				2														1		1							1					1			2
4. Vesical Calculi	1				1			1																	1														1
5. Diseases of the Bladder	1			1				1																					1											1
6. Diseases of the Male Genital Organs																																								
8. Other Diseases of the Uterus		1		1			1													1																				1
9. Ovarian Cysts and Ovarian Tumors		1		1				1														1							1								1			1
10. Other Diseases of Female Genital Organs		1		1				1																																
Total	7	8		11	1		4	11												1	2	2	2	2	4	2			2	1		2	1	3	1		3	1	1	15

| | | |

CAUSES OF DEATHS BY CITIES, IN 1902.—BRANTFORD.—Population, 16,785.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																														Months.												Total.
										Under 5.																																												
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3	4.	5–9.	10–14.	15–19.	20–24.	25–29.	30–34.	35–39.	40–44.	45–49.	50–59.	60–69.	70–79.	80 and over.	Not given.	Jan.	Feb.	March	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																																			
1. Typhoid Fever	5	1	....	2	3	1	1	3	2	....	....	....	....	....	....	....	....	1	3	1	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	2	1	1	1	6
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	....	1	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
4. Scarlet Fever	....	1	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
5. Whooping Cough	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
6. Diphtheria and Croup	8	5	....	11	....	2	13	....	....	....	5	4	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	2	1	1	1	2	1	....	....	3	....	1	1	13
7. Influenza	1	1	....	1	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	2
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	15	9	....	17	4	3	17	4	3	2	5	1	1	....	2	1	....	1	3	1	....	1	....	1	....	....	....	2	2	4	1	1	2	2	....	5	1	2	4	24
II. OTHER GENERAL DISEASES.																																																		
1. Pyæmia and Septicæmia	....	3	....	....	1	2	....	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	1	....	....	....	1	1	....	1	....	....	....	....	....	3
2. Malarial Fever	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
3. Tuberculosis and Scrofula	16	22	....	32	2	4	16	10	12	5	....	1	....	2	2	5	2	2	5	3	2	1	1	3	....	....	1	4	3	5	9	5	3	1	2	1	4	1	3	1	38
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	3	5	....	3	4	1	....	3	2	....	....	....	....	....	....	....	....	....	....	1	....	....	2	1	....	2	2	....	....	2	....	1	1	....	1	....	....	1	1	1	8
6. Rheumatism and Gout	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
7. Diabetes	2	....	....	1	1	....	....	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	2
8. Other General Diseases	....	1	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
9. Alcoholism, Acute and Chronic	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1
Total	24	31	..	37	10	8	16	19	20	5	....	1	....	2	2	5	3	3	6	3	2	4	3	5	3	3	5	5	7	9	7	5	1	5	1	4	3	6	2	55
Local Diseases.																																																		
III. NERVOUS SYSTEM.																																																		
1. Encephalitis	1	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
2. Simple Meningitis	1	2	....	1	1	1	2	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	....	1	....	3
3. Epidemic Cerebro-spinal Meningitis	....	2	....	2	....	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	2
4. Congestion and Hemorrhage of Brain	3	4	....	1	4	2	....	4	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	3	....	3	....	....	1	1	....	....	1	1	1	....	7
5. Softening of the Brain	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
6. Paralysis without specified cause	3	3	....	1	3	2	....	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	....	1	1	....	1	....	1	....	....	....	....	....	....	1	6
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
8. Epilepsy	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
9. Convulsions (not puerperal)	2	1	....	3	....	....	3	....	....	....	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....	3
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	12	12	....	11	8	5	8	8	8	1	3	3	....	1	1	....	....	....	....	....	....	1	5	4	4	1	3	2	3	3	2	2	1	1	2	1	2	2	21
IV. CIRCULATORY SYSTEM.																																																		
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

| | | |

BRANTFORD—*continued.*

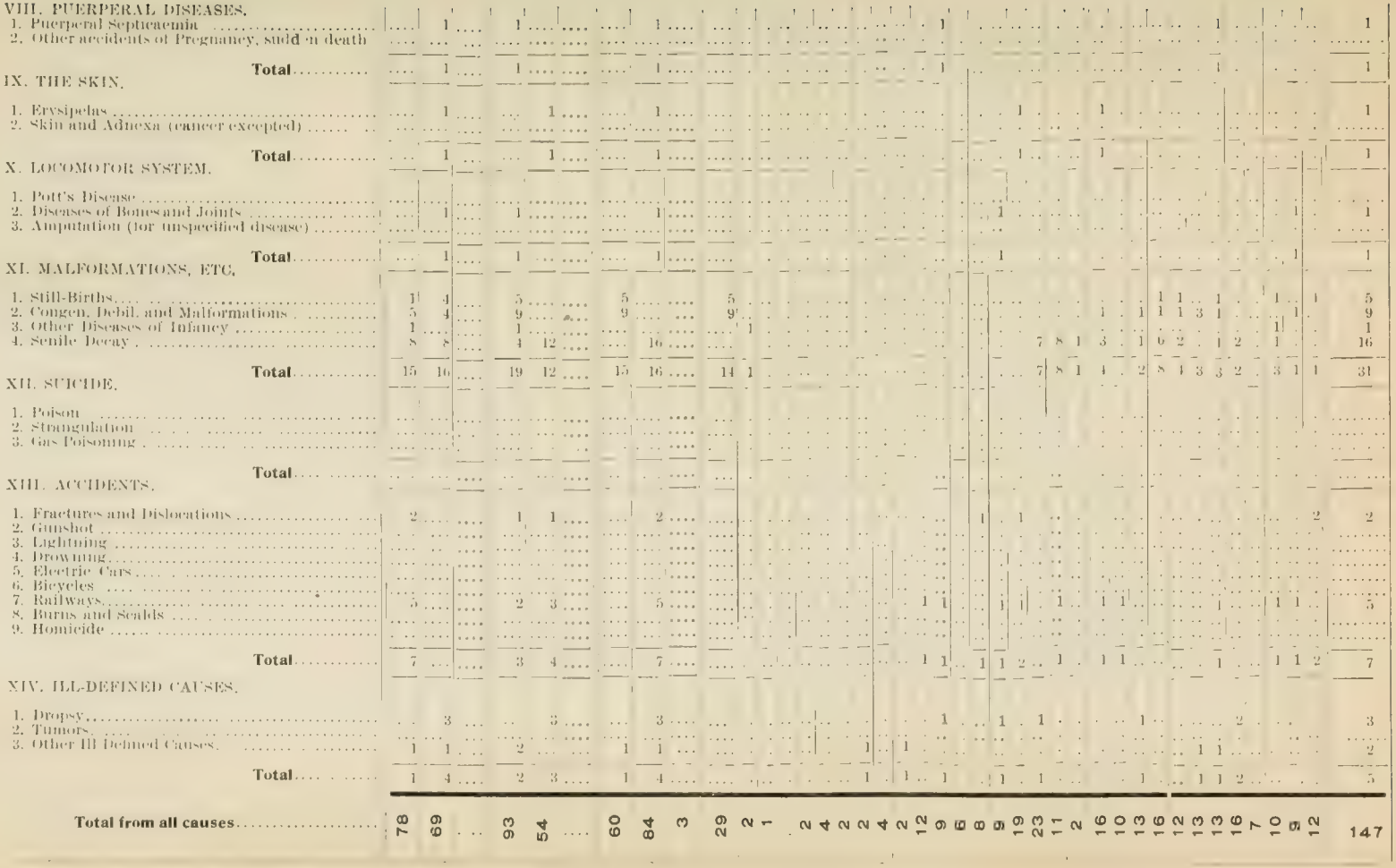
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas		1				1		1											1												1										1
2. Skin and Adnexa (cancer excepted)																																								
Total		1				1		1											1												1										1
X. LOCOMOTOR SYSTEM.																																								
1. Pott's Disease																																								
2. Diseases of Bones and Joints																																								
3. Amputation (for unspecified diseases)																																								
Total																																								
XI. MALFORMATIONS, ETC.																																								
1. Still Births	12	8		20			20			20																			1	1	3	1		4		4		3	2	1	20
2. Congen. Debility and Malformations	13	2	1	16			16			16																			2	1		3			2	3	1			1	16
3. Other Diseases of Infancy																																									
4. Senile Decay	10	8		5	10	3	2	7	9																2	5	11		2	1	1	4		1	1		1	3	2	2	18
Total	35	18	1	41	10	3	38	7	9	36															2	5	11		5	3	4	8		5	3	7	5	6	4	4	54
XII. SUICIDE.																																									
1. Poison																																								
2. Strangulation																																								
3. Gas Poisoning																																								
4. Drowning																																								
5. Firearms																																								
Total																																								
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations		1				1	1																					1				1								1
2. Gunshot																																									
3. Drowning	2			2			1	1									1								1								1						1	2
4. Suffocation																																									
5. Railways																																								
6. Burns and Scalds		1			1			1																		1											1			1
7. Poison																																									
Total	2	2		2	1	1	2	2									1									2		1					1	1			1		1	4
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy																																									
2. Tumors	1	5		1	4	1	1	4	1													1	1	1	1	2				1	1	2				2				6
3. Other Ill-Defined Causes	2	1		1	1	1		3												1	1		1		1				1	1	1									3
Total	3	6		2	5	2	1	7	1											1		2	1	1	2	2			1	2	1	3				2				9
Total from all causes	138	122	1	163	58	40	125	76	60	62	17	9	2	3	6	4	10	9	8	11	9	9	7	15	21	25	21	13	18	26	27	29	22	18	17	17	32	12	21	22	261

CAUSES OF DEATHS BY CITIES IN 1902.—ST. THOMAS.—Population 11,599.

General Diseases.	Sex.			Nativity.			Soc. con			Age.																													Months.												Totals.
	Male.	Female.	Not stated.	Male	Female.	Not stated.	Male.	Female.	Not stated.	Under 5.																																									
										0.	1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	1	1	....	2	....	..	1	1	..	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	2										
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
4. Scarlet Fever	1	1	....	2	....	....	2	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2										
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
6. Diphtheria and Croup	1	..	..	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1										
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	..	2	..	5	....	....	4	1	..	1	..	..	..	2	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	2	..	5										
II. OTHER GENERAL DISEASES.																																																		
1. Pyæmia and Septicæmia	1	..	..	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1										
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Tuberculosis and Scrofula	3	8	....	9	2	..	6	5	..	1	....	....	....	....	....	1	..	6	1	..	....	1	1	..	....	....	....	....	2	..	1	1	2	2	1	..	1	....	1	....	11										
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Cancer	2	3	..	1	1	....	2	3	..	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	1	..	1	....	....	....	....	1	....	1	1	1	..	1	..	....	5										
6. Rheumatism and Gout	2	..	....	1	1	....	1	..	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	..	....	....	....	....	....	....	....	1	1	..	....	....	....	....	....	....	2										
7. Diabetes	1	1	..	1	1	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....	2										
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Alcoholism, Acute and Chronic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	9	12	....	13	8	....	10	10	1	1	....	....	....	....	....	1	..	1	..	6	1	..	2	2	1	2	..	1	2	..	1	2	1	3	3	1	2	1	1	1	21										
Local Diseases.																																																		
III. NERVOUS DISEASES.																																																		
1. Encephalitis	....	1	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1										
2. Simple Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Epidemic Cerebro-spinal Meningitis	....	1	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1										
4. Congestion and Hemorrhage of Brain	2	3	....	1	1	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	2	....	....	....	2	..	....	1	....	....	....	1	..	1	....	....	5										
5. Softening of the Brain	1	1	....	....	2	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	....	....	1	....	1	....	....	....	2										
6. Paralysis without specified cause	4	4	....	3	5	....	....	8	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	1	....	1	....	....	1	1	1	1	....	....	1	1	....	2	....	8										
7. Insanity	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1										
8. Epilepsy	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1										
9. Convulsions (not puerperal)	6	2	....	8	....	....	8	....	....	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	2	....	2	1	....	....	....	8										
10. Other Nervous Diseases	2	....	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	2										
Total	17	12	....	21	8	....	11	18	....	9	....	....	....	....	1	....	....	....	1	2	1	3	2	6	3	1	....	....	4	3	2	2	3	4	1	5	2	1	2	..	29										

ST. THOMAS.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	1	4		5	3		3	4	1						1					1			2	1	3			1		1	1	1		1		1		2	8
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc.																																									
6. Other Diseases of Circulatory System	1			1			1													1										1									1
Total	2	4		6	3		4	4	1						1					2		2	1	3				1		2	1	1		1		1		2	9
V. RESPIRATION.																																									
1. Acute Bronchitis																																									
2. Chronic Bronchitis																																									
3. Broncho-pneumonia																																									
4. Pneumonia	7	7		11	3		6	8			1	1		1	1		1		1	1	1	2		1		4			2	4	3	2			1	1		1	14
5. Pleurisy																																									
6. Congestion of the Lungs																																									
7. Asthma and Emphysema	3			2	1		1	2														1			1	1			1					1					3
8. Other Diseases of Respiratory System																																									
Total	10	7		13	4		7	10			1	1		1	1		1		1	1	1	3		1	1	5			3	4	3	2			1	1	1	2	17
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach																																									
2. Other Dis. of Stomach (cancer excepted)	2	2		2	2		1												1						1	1	1				1				1		1		1
3. Infan. Diarrhœa and Cholera Infantum	2			3	1		4			1																									2	1			4
4. Diarrhœa & Enteritis (not infantile)	1	1		1	1		1	1							1										1					1						1		2
5. Dysentery																																									
6. Hernia and Intestinal obstructions																																									
7. Diseases of the Liver																																									
8. Peritonitis (not Puerperal)	2	2		1	3		1	3										1		1	1	1														1	2	1	4
9. Iliac abscess and appendicitis																																									
Total	7	7		7	7		7	7		4				1		1		1	1	1	1	1			1	2	1			1	1	1			1	3	1	2	3	1	14
VII. GENITO-URINARY SYSTEM																																									
1. Acute Nephritis	1				1			1																	1							1								1
2. Bright's Disease	1				1				1																1					1										1
3. Other Diseases of Kidneys and Adnexa	1	1		2				2										1							1						1							1	2
4. Vesical Calculi																																									
5. Diseases of the Bladder	1	1			2		1	1										1							1											1	1			2
6. Diseases of Male Genital Organs																																									
7. Metritis																																									
8. Other Diseases of the Uterus																																									
9. Ovarian Cysts and Ovarian Tumors																																									
10. Other Dis'ss. of fem. Genital Organs																																									
Total	4	2		2	4		1	4	1									2							1	3			1	1				1		1		1	6



General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																						Months.												Total.
										Under 5.																																			
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not Stated.	0-1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29	30-34	35-39	40-44.	45-49.	50-59	60-69.	70-79.	80 and over.	Not given.	January.	February.	March	April.	May.	June.	July	August.	September.	October.	November.	December.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Whooping Cough	1	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
6. Diphtheria and Croup	1	2	..	3	..	..	3	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	..	3
7. Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	2	..	4	..	..	4	..	..	1	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	1	..	4
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	1	1	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	7	13	..	15	5	..	10	10	..	..	..	1	..	..	1	..	4	2	1	1	..	2	2	4	2	..	..	..	2	3	3	..	2	3	2	2	..	1	2	20
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	1	3	..	..	4	..	1	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	..	1	..	1	..	1	..	..	1	..	..	..	1	..	..	4
6. Rheumatism and Gout	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1
7. Diabetes	1	2	..	1	2	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	2	..	..	..	..	..	1	..	..	3
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	11	19	..	16	14	..	11	19	..	..	..	1	..	..	1	..	4	2	1	2	..	2	2	5	6	2	2	..	2	2	1	3	4	3	3	2	3	1	1	2	30
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Simple Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Epidemic Cerebro-spinal Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Congestion and Hemorrhage of Brain	4	3	..	3	4	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	5	..	..	..	1	1	1	..	..	1	2	..	1	..	..	7
5. Softening of the Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Paralysis without specific cause	1	1	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	..	..	..	1	..	..	..	1	..	..	..	..	2
7. Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Convulsions (not puerperal)	2	3	..	5	..	..	4	1	..	2	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	2	..	1	..	..	..	..	..	1	1	..	5
10. Other Nervous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	7	7	..	8	6	..	4	10	..	2	1	1	..	..	1	..	..	..	..	1	..	..	1	1	1	5	1	..	1	3	1	2	..	..	1	3	..	2	1	..	14
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

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GUELPH.—*Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
X. LOCOMOTOR SYSTEM.																																									
1 Pott's Disease																																									
2 Diseases of the Bones and Joints																																									
3 Amputation (for unspecified diseases)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1 Still births	3	5	2	10			10			10																			1	1		1	2	2	2		1				10
2 Congen. Debility and Malformations	11	12	1	24			24			24																			6	1	3	3	1	3	2	2	3				24
3 Other Diseases of Infancy																																									
4 Senile Decay	7	9			16		2	11																		5	11		2	4	1	1	1	2			1	2	1	1	1	16
Total	21	26	3	34	16		36	11		34																5	11		9	6	4	5	5	5	4	5	6	1	1	1	50
XII. SUICIDE.																																									
1. Poison	1				1			1																		1										1					1
2. Strangulation																																									
3 Gas Poisoning																																									
4 Drowning		1			1			1													1														1					1
5. Firearms																																									
Total	1	1			2			2													1					1								1		1				2
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations																																									
2. Gunshot																																									
3. Lightning																																									
4. Drowning																																									
5. Electric Cars																																									
6. Bicycles																																									
7. Railways																																									
8. Burns and Scalds																																									
9 Poison	1			1			1												1																		1				1
10. Suffocation																																									
Total	1			1			1												1																		1				1
XIV. ILL DEFINED CAUSES.																																									
1. Dropsy																																									
2. Tumors																																									
3. Other Ill-defined Causes	2	1		1	2		1	2							1							2						1										2		3
4. Lockjaw																																									
Total	2	1		1	2		1	2							1							2						1										2		3
Total from all causes	59	80	3	93	49		74	68		40		2	3		2	4	2	5	3	3		5	3	2	7	15	15	16	15		16	17	12	15		12	12	11	13	13	7	8	6	142

CAUSES OF DEATHS BY CITIES IN 1902.—ST. CATHARINES—Population, 10,045.

General Diseases.	Sex.			Nativity.			Soc'l Con.			Ages.																											Months.												Total.
										Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given	Jan.	Feb.	March.	April.	May.	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.										
	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0.1	1.	2.	3.	4.																																				
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	2	3	....	3	2	....	1	4	....	....	....	....	....	....	....	1	....	....	2	1	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	2	1	....	....	....	5										
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
4. Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Whooping Cough	1	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1										
6. Diphtheria and Croup	1	1	....	2	....	....	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	2										
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	4	4	..	6	2	....	4	1	....	1	..	..	..	..	2	1	..	..	2	1	..	..	..	1	..	..	..	..	2	1	..	..	..	..	1	2	1	1	..	..	8										
II. OTHER GENERAL DISEASES.																																																	
1. Pyaemia and Septicaemia	1	1	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	2										
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Tuberculosis and Scrofula	11	8	....	16	3	....	10	9	....	....	....	....	....	....	1	....	....	5	3	3	....	3	1	1	2	....	....	....	4	1	2	....	2	2	2	3	....	1	....	2	19										
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Cancer	4	7	....	2	9	....	2	9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	2	4	1	....	....	....	....	2	1	3	1	2	....	1	1	11										
6. Rheumatism and Gout	1	2	....	....	3	....	2	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	....	....	....	....	1	1	2	1	....	....	1	....	....	....	....	3										
7. Diabetes	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Alcoholism, Acute and Chronic	2	....	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	2										
Total	19	18	..	20	17	..	14	23	..	....	....	....	....	....	1	..	..	5	4	5	1	3	1	7	5	4	1	..	1	2	3	2	3	5	6	7	..	1	1	3	37										
Local Diseases.																																																	
III. NERVOUS SYSTEM.																																																	
1. Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
2. Simple Meningitis	1	1	..	2	....	....	2	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	2										
3. Epidemic Cerebro-spinal Meningitis	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1										
4. Congestion and Hemorrhage of Brain	5	4	....	3	6	....	....	8	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	1	3	2	....	2	....	2	1	....	1	....	....	....	2	1	9										
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
6. Paralysis without specified cause	..	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1										
7. Insanity	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1										
8. Epilepsy	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1										
9. Convulsions (not puerperal)	2	2	..	4	....	....	4	....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	1	....	....	....	....	4										
10. Other Nervous Diseases	1	1	..	1	1	..	1	1	..	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	1	1	1	....	....	....	....	....	....	....	....	....	2										
Total	11	10	....	11	10	..	7	12	2	4	..	1	1	..	....	....	....	2	..	....	....	4	3	4	2	..	3	2	5	4	1	1	....	1	..	1	2	1	21										

ST. CATHARINES.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis	1	1		2			1	1													1				1							1				1				2
3. Organic Heart Diseases	1	3		7			2	5						1			1		1		1	1		1	1				2		1		2		1	1			7
4. Angina Pectoris																																								
5. Arteries, Atheroma, Aneurism, etc.																																								
6. Other Diseases of Circulatory System		1		1				1																	1								1							1
Total	5	5		10			3	7			1			1			1		2	1	1	1		3				2			2	1	2		1	2			10
V. RESPIRATION																																								
1. Acute Bronchitis	2			2			2			2																			1							1			2
2. Chronic Bronchitis		1		3	1		2	2														1		2		1		1	1		1		1		1				4
3. Broncho Pneumonia	1	1		1	1		1	1			1															1			1			1							2
4. Pneumonia	3	6		1	3		5	1						1	1	1	1	1			1	1	2					4	3				1						9
5. Pleurisy																																								
6. Congestion of the Lungs																																								
7. Asthma and Emphysema		2		1	1			2																		2				1					1				2
8. Other Diseases of Respiratory System																																								
Total	6	13		11	5		10	9		2		1				1	1	1	1	1		1	1	3	5	1		2	6	4		2		2		2	1			19
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	1				1		1														1														1				1
3. Infantile Diarrhœa and Cholera Infantum	1	1		2			2			1	1																									2				2
4. Diarrhœa and Enteritis (not infantile)	2				2		1	1																	1	1										1		1		2
5. Dysentery																																								
6. Hernia and Intestinal obstructions	2				2			2											1						1								1							2
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	1			1				1																	1										1				1
9. Peritonitis (not puerperal)		2		1	1		1	1										1			1														1	1			2
10. Iliac Abscess and Appendicitis	3			3			3											1	1								1	1				2							3
Total	10	3		7	6		8	5		1	1							2	2		1	1		1	2		1	1	1			2	1	1	2	4		1	1	13
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	1	2		2	1		1	2																	1	2				1		2							3
3. Other Diseases of Kidneys and Adnexa																																								
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of the Female Genital Organs																																								
Total	1	2		2	1		1	2																1	2				1		2								3

	67	78	105	60	73	89	3	28	1	2	3	5	11	11	11	1	4	6	4	18	22	21	14	2	17	17	15	17	15	17	16	12	12	10	7	10	165
VIII. PUERPERAL DISEASES.																																					
1. Puerperal Septicæmia			1																																		1
2. Puerperal Albuminuria and Convulsions		1			1																																1
3. Other Acc. of Preg., sudden death																																					
Total		3	1		3																																3
IX. THE SKIN.																																					
1. Erysipelas		1			1																																1
2. Skin and Adnexa (Cancer excepted)		1			1																																1
Total		2			2																																2
X. LOCOMOTOR SYSTEM.																																					
1. Pott's Disease																																					
2. Diseases of Bones and Joints																																					
3. Amputation (for unspecified diseases)																																					
Total																																					
XI. MALFORMATIONS, ETC.																																					
1. Still Births		4			7					5															1	4											13
2. Congen. Debility and Malformation		7			13					13															3	1	1	2	3		1						18
3. Other Diseases of Infancy																												2									
4. Senile Decay		5			5					1	11		1												3			2	2	5	4	3		1	2	4		33
Total		16	17		25	8				21	11		1	20											6	2	2	5	4	3		1	2	4			64
XII. SUICIDE.																																					
1. Poison		1			1					1																											1
2. Strangulation																																					
3. Gas Poisoning																																					
Total		1			1					1																											1
XIII. ACCIDENT.																																					
1. Fractures and Dislocations		2	1		2			3																	1	1	1										3
2. Gunshot			1		1					1																			1									1
3. Electric Cars																																					
4. Drowning		2	1		2			1			2																			1								3
5. Homicide																																					
6. Burns and Scalds		1			1						1																										1
7. Railways																																					
Total		5	3		5	3		4		1	3														1	1	1		1								5
XIV. ILL-DEFINED CAUSES.																																					
1. Dropsy		21	21		1	1				2	1														1	1			1								21
2. Tumors		21	21		2					1	1																										21
3. Other Ill-Defined Causes		1			1						1															1										1
4. Lockjaw																									1		1										
Total		7	7		4	1				3	2														2	1	1		1								7
Total from all causes		78	105	60	73	89	3	28	1	2	3	5	11	11	11	1	4	6	4	18	22	21	14	2	17	17	15	17	15	17	16	12	12	10	7	10	165

CAUSES OF DEATHS BY CITIES IN 1902—BELLEVILLE—Population, 9,208.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																												Months.												Total.
										Under 5.																																									
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	.1	2	3	1	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	28	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40											11
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	1	1	.	1	1	.	1	1	.	.	.	.	.	.	.	.	.	1	1	.	1	.	1	.	1	.	.	.	1	.	.	.	.	.	.	.	1	1	2	.											5
2. Smallpox	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
3. Measles	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
4. Scarlet Fever	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
5. Whooping Cough	.	1	.	1	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.											1
6. Diphtheria	2	1	.	3	.	.	3	.	.	.	.	1	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	1											3
7. Influenza	1	1	.	1	1	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	1	1	.	.	.	.	.	.	.	1	.											2
8. Other Epidemic Diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
Total	7	4	.	9	2	.	8	3	.	1	.	1	.	1	1	.	.	1	1	.	1	.	1	.	2	.	1	.	1	1	2	.	.	1	.	1	2	2	1											11
II. OTHER GENERAL DISEASES.																																																
1. Pyaemia and Septicaemia	1	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1	.	.	.											1
2. Malarial Fever	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
3. Tuberculosis and Scrofula	9	6	.	13	2	.	5	10	.	.	.	.	.	.	.	.	.	2	1	3	3	2	1	.	2	.	1	.	.	1	2	1	1	2	.	2	1	3	1	1											15
4. Syphilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
5. Cancer	3	5	.	1	4	.	3	5	.	.	.	.	.	.	.	.	.	.	.	1	2	.	.	.	3	.	2	.	.	2	1	1	1	.	2	.	.	.	1	.											8
6. Rheumatism and Gout	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
7. Diabetes	.	1	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.											1
8. Other General Diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
9. Alcoholism, Acute and Chronic	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
Total	13	12	.	18	7	.	8	17	.	.	.	.	.	.	.	.	.	2	1	3	1	4	1	.	7	.	3	.	.	3	3	3	2	2	2	2	3	2	1											25
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	.	1	.	1	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.											1
2. Simple Meningitis	2	1	.	3	.	.	3	.	.	1	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	.	.	.	.	.	.	.	.											3
3. Epidemic Cerebro-spinal Meningitis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
4. Congestion and Hemorrhage of Brain	2	5	.	6	1	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2	.	.	.	.	1	2	.	.	1	1	.	1	.	1											7
5. Softening of the Brain	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
6. Paralysis without specified cause	1	2	.	.	2	1	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2	.	.	1	.	.	.	.	.	.	1	.	1	.											3
7. Insanity	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
8. Epilepsy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
9. Convulsions (not puerperal)	.	2	.	2	.	.	2	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	.	.											2
10. Other Nervous Diseases	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.
Total	5	11	.	12	3	1	6	10	.	2	1	.	.	3	.	.	.	.	.	.	.	.	.	.	6	2	2	.	.	2	2	2	3	.	1	1	2	1	1	1											16
IV. CIRCULATORY SYSTEM.																																																
1. Pericarditis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.											.

| | | |

BELLEVILLE.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas																																									
2. Diseases of Skin (cancer excepted)		1		1				1													1								1											1	
Total		1		1				1													1								1											1	
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of Bones and Joints																																									
3. Amputation (unspecified Diseases)																																									
Total																																									
XI. MALFORMATIONS.																																									
1. Still Births	2	2		1			1			1																			1					2		1			1	
2. Congenital Debility, Malformations	1	2		6			6			6																				1				1	3		1		6	
3. Other Diseases of Infancy																																								
4. Senile Decay	11	11		11	11		2	23																	5	20			3	1	1	1	2	1	3	3	1	1	2	3	25
Total	17	18		21	11		12	23		10															5	20			3	2	2	1	2	1	6	3	7	2	3	3	35
XII. SUICIDE.																																								
1. Poison																																								
2. Strangulation																																								
3. Gas Poisoning																																								
4. Drowning																																								
5. Firearms																																								
Total																																								
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations																																								
2. Gunshot																																								
3. Lightning																																								
4. Drowning																																								
5. Railways	2	1		2	1		2	1										1				1	1					1		1				1					3	
6. Burns and Scalds																																									
7. Homicide																																								
Total	2	1		2	1		2	1										1				1	1					1		1				1					3	
XIV. ILL DEFINED CAUSES.																																									
1. Dropsy																																									
2. Tumors		1		1				1														1												1					1	
3. Other Ill-Defined Causes		1		1				1																	1														1	
Total		2		2				2														1	1											1					2	
Total from all causes	71	70		97	43	1	52	89		19	2	2	4	4	3	3	4	6	5	3	4	22	13	18	29		17	13	13	10	8	11	13	10	17	10	6	13		141

CAUSES OF DEATHS BY CITIES IN 1902.—STRATFORD.– Population, 10,058.

| General Diseases. | Sex. | | | Nativity. | | | Soc'l con. | | | Ages. | | |

STRATFORD.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	6	5		6	5			7	1	2							1		1			1		1	3	2		2	2	1	1			1		2		2		11
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism etc																																									
6. Other Diseases of Circulatory System																																									
Total	6	5		6	5			7	1	2							1		1			1		1	3	2		2	2	1	1			1		2		2		11
V. RESPIRATION																																									
1. Acute Bronchitis	2			2			2			2																								1	1					2
2. Chronic Bronchitis																																								
3. Broncho-pneumonia	2			2			2					1	1																					2						2
4. Pneumonia	3	2		3			3				1						1				1	1						1	2	2		1			1				3
5. Pleurisy		1		1						1	1																	1	1										1
6. Congestion of the Lungs		1		1			1									1														1									1
7. Asthma and Emphysema	1			1				1													1											1							1
8. Other Disorders of Respiratory System																																								
Total	10	5		11			1	5		3	1	1	1	1		1	1		1	1		1					2	2	1		1	1	1			1			15
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Dis. of the Stomach (cancer excepted)	2			1	1		2			1															1							1	1						2
3. Infantile Diarrhœa and Cholera Infantum	1	1		2			2			2																						1			1				2
4. Diarrhœa and Enteritis (not infantile)																																								
5. Dysentery																																								
6. Hernia and Intestinal obstructions																																								
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	1	1		2			2															1		1								1	1						2
9. Peritonitis (not puerperal)	1	1		2			2							1																		1		1					2
10. Iliac Abscess and Appendicitis	1	1		2			2					1				1																1			1					2
Total	6	4		9	1		10			3		1		1	1	1			1			1		1							1	2	2	2	1		2			10
VII. GENITO-URINARY SYSTEM																																								
1. Acute Nephritis																																								
2. Bright's Disease	1			1				1																																1
3. Other Diseases of Kidneys and Adnexa	2	1		3			2	1													1	1		1								1	1	1						3
4. Vesical Calculi																																								
5. Diseases of the Bladder	2				2			2																		1			1		1									2
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	5	1		4	2		2	1													1		1		1	2	1		1		2	1	1			1				6

	75	53	75	52	1	57	68	3	23	3	2	2	2	5	2	2	4	4	4	5	7	9	25	9	18	2	17	12	13	11	9	12	14	7	12	6	4	11	128
VIII. PUERPERAL DISEASES.																																							
1. Puerperal Septicæmia																																							
2. Puerperal Albuminuria and Convulsions																																							
3. Other accidents of Pregnancy, Sudden death																																							
Total																																							
IX. THE SKIN.																																							
1. Erysipelas																																							
2. Skin and Adnexa (cancer excepted)																																							
Total																																							
X. LOCOMOTOR SYSTEM.																																							
1. Joint Diseases																																							
2. Diseases of the Bones and Joints																																							
3. Amputations (for anti-septic Diseases)																																							
Total																																							
XI. MALFORMATIONS, ETC.																																							
1. Still Births																																							
2. Congen. Debility and Malformation																																							
3. Other Diseases of Infancy																																							
4. Senile Decay																																							
Total																																							
XII. VIOLENCE																																							
1. Shock (Operation)																																							
2. Gas Poisoning																																							
3. Drowning																																							
Total																																							
XIII. ACCIDENTS																																							
1. Fractures and Dislocations																																							
2. Gunshot																																							
3. Lightning																																							
4. Poisoning																																							
5. Electric Gas																																							
6. Railways																																							
7. Burns and Scalds																																							
8. Homicide																																							
Total																																							
XIV. ILL DEFINED CAUSES																																							
1. Dropsy																																							
2. Tumour																																							
3. Other Ill Defined Causes																																							
Total																																							
Total from all causes																																							

CAUSES OF DEATHS BY CITIES IN 1902.—WINDSOR.—Population, 12,274.—(Including municipalities of all classes.)

General Diseases.	Sex.			Nativity			Social con			Ages																														Months.												Total
										Under 5.																																										
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated	Single	Married.	Not stated.	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39.	40-44	45-49	50-59	60-69	70-79.	80 & over.	Not given.	Jan.	Feb.	March.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41												
I. COMMUNICABLE DISEASES.																																																		
1. Typhoid Fever	1	1	..	1	1		3	1	..						1			3						1						1			1				1			2											7
2. Smallpox	..	..	..	..	..		..	..	..																																									
3. Measles	3	..	..	3	1		3	..	..	1	1				1																2	1																		4
4. Scarlet Fever	..	..	..	..	..		..	..	..	1	1																					1																		2
5. Whooping Cough	3	3	..	6	..		6	..	..	3	3																																							6
6. Diphtheria and Croup	2	1	..	3	..		1	..	..						1	1													1				1		1														3
7. Influenza	..	..	..	..	..		..	..	..																																								
8. Other Epidemic Diseases	..	..	..	..	..		..	..	..																																								
Total	10	7	..	18	4		20	2		6	5	1		1	1	1		3						1					2	1	3	2	3		1	4	2		1	3								32
II. OTHER GENERAL DISEASES.																																																	
1. Pyæmia and Septicæmia				2			1	1										1									1					1				1													2
2. Malarial Fever																																																	
3. Tuberculosis and Scrofula	9	11	..	18			16	10	..	3							1	1	1	1	2	2		2	1				2	1	2	1	1	1		1	1	3	4										20
4. Syphilis																																																	
5. Cancer	1	3		4	3			3																					1		1	2			3			2									9
6. Rheumatism and Gout	1			1				1														1	1	1	1						1																	7
7. Diabetes																																																
8. Other Cachexiæ, Diseases	2			1	1													1						1										1				1										2
9. Alcoholism, Acute and Chronic																																																
Total	16	18	..	25	9	..	11	2	..	9								2	7	1	1	2	4	1	6	4	2	1		1	2	2	3	4	1	6	3	2	1	6	4							34
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	1			1			1				1																		1																				1
2. Simple Meningitis	3	6		8	1		9			1	1		1	1	1		1													1	3	1	1	1	1												9
3. Epidemic Cerebro-spinal Meningitis																																																
4. Congestion and Hemorrhage of Brain	1	2		2	1		2	1	1															3	2	2			1		3							1	1								8
5. Softening of the Brain	1	1	..	..	2	..	..	3	..														1	..		1									1				1									3
6. Paralysis without specific cause	2	1	1	3	..	..	..	3	..													1	..	1	1	..	1		1	1						1												4
7. Insanity	..	..		..	..		..	..																	1	..			1																		1
8. Epilepsy	1	..	..	..	1	..	..	1	..																																								
9. Convulsions (not puerperal)	..	..	..	..	..	..	..	..	..																																								
10. Other Nervous Diseases	..	..	..	..	..	..	..	..	..																																								
Total	12	11	..	14	9	..	12	10	1	1	2		1	1	1		1				1		1	4	3	..		4	2	4	4	1	1	2	2		2	1										23
IV. CIRCULATORY SYSTEM.																																																	
1. Pericarditis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

| | | |

WINDSOR.—*Continued.*

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)																																									
Total																																									
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of Bones and Joints																																									
3. Amputation (for unspecified Dis.)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-births	8	5		13			13			13																			1	2	1	2	2				1	1		13
2. Congen. Debility and Malformations	5	9		12	2		11			14																			2		2	1	1		1	2	3		2	14
3. Other Diseases of Infancy																																									
4. Senile Decay	5	5		1	9			9	1																6	4			1	1	2	2		1	2		1			10
Total	18	19		26	11		27	9	1	27															6	4			3	3	4	5	5	1	3	2	3	2	6	37
XII. SUICIDE.																																						1			
1. Poison																																									
2. Gas Poisoning																																									
3. Drowning																																									
4. Firearms																																									
Total																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations				1	1		1	1								1							1											1			1			3
2. Gunshot																																									
3. Drowning	2			1	1		1	1								1		1															2							3
4. Electric Gas																																									
5. Bicycles																																									
6. Railways																																									
7. Burns and Scalds																																									
8. Strangulation	1			1			1			1																											3			1
Total	7			5	2		6	2		1						2		1					1										2		1		1	1		5
XIV. ILL DEFINED CAUSES.																																									
1. Dropsy			1				1			1																1										1				1
2. Tumours	1	1			1			2														1		1											1	1				3
3. Other Ill Defined Causes		3		2	1		2	1										1		1		1							1						1			1		3
Total	1	5		2	1		2	4										1		1		2		1	1				1						1	3			1	6
Total from all causes	111	90		136	64	1	111	88	2	52	12	5	4	3	6	5	4	11	7	3	6	7	9	18	18	19	12		16	15	22	20	23	5	16	16	15	12	23	18	20

CAUSES OF DEATHS BY CITIES IN 1902—CHATHAM—Population, 9,158.

General Diseases.	Sex.			Nativity.			Soc'l con.			Under age.																								Months.												Total.
										Under 5.																																						
	Male	Female	Not stated	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5.	6-10.	11-15.	16-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over	Not given.	January.	February.	March.	April	May.	June.	July.	August.	September	October	November.	December.		
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		41
I. COMMUNICABLE DISEASES																																													
1 Typhoid Fever	2	2		3	1			3	1						1		2								1																				4
2 Smallpox																																													
3 Measles																																													
4 Scarlet Fever	1	1											1	1															1	1														2
5 Whooping Cough		2									1	1																		1				1									2
6 Diphtheria and Croup	2											1			1														1					1									2
7 Influenza	1				1			1																				1		1													1
8. Other Epidemic Diseases																																													
Total	6	5		9	2		9	2		1	1	1	1	1	2		2												2	3		1		1	1		1	1	1			11
II. OTHER GENERAL DISEASES																																													
1 Pneumonia and Splenectomy		1		1													1																		1								1
2. Malignant Tumor	1				1			1																			1							1									1
3. Tuberculosis and Scrofula	7	4		10	1		2	7	2							1		1	1	2	1	1	4			1			1	1		2	1	1	1	1					11
4. Syphilis																																													
5 Cancer	3	4			2			3															1		3	2	1		1	1	1		1			3					7
6 Rheumatism and Gout	1	1		1	1		1	1																1			1							1						1		2
7. Diabetes																																												
8. Other General Diseases																																													
9. Alcoholism, Acute and Chronic																																												
Total	12	10		17	5		4	16	2								2		1	1	2	2	2	7	2	2	1		2	1	5		4	2	2	1	1		1		22
Local Diseases.																																												
III. NERVOUS SYSTEM.																																												
1. Encephalitis	1	1					1	1		1															1								1							1		2
2 Simple Meningitis	1			1			1										1															1										1
3. Epidemic Cerebro-spinal Meningitis	1			1			1												1																1							1
4 Congestion and Hemorrhage of Brain								3													1	1	1							1		1				1					3
5. Softening of the Brain	1			1				1																		1														1		1
6. Paralysis without specified cause	3			2	1		1	3																	1	4	1			1				1		1	1		2		6
7 Insanity																																												
8. Epilepsy	1						1												1										1												1
9. Convulsions not puerperal	4	2		6			6			6																					2				1	2					6
10. Other Nervous Diseases																																												
Total	12	9		11	7		11	10		7						1		1	1					1	3	6	1		1	2	2	1	2	1	1	3	1	2		5	21

CHATHAM.—*Continued.*

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	41	11
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis	1			1				1																		1			1												1
2. Endocarditis																																								
3. Organic Heart Diseases	10	7		9	7	1	1	11	2									1	1	1	2	3	3	5		1	3		5	4		3	2	2						17
4. Angina Pectoris	4	2		5	3			1																2	1			1		3	2									6
5. Aneurism, Atheroma, Aneurism, etc																																								
6. Other Diseases of Circulatory System		1		1					1														1																	1
Total	15	10		14	10	1	1	18	3									1	1	1	2	4	3	7	5	1	3	2	3	5	6			3		3		2	25
V. RESPIRATION.																																								
1. Acute Bronchitis	1	1		2			2			2																									1	1				2
2. Chronic Bronchitis	3	1		2	2			5	1															3	1			1		1	1					1			4
3. Bronchopneumonia	1				1			1																	1					1										1
4. Pneumonia	5	3		8			5	3		1	1	1									1	1	2	1				2		1		1		1					8
5. Pleurisy		1		1			1											1																						1
6. Congestion of the lungs																																								
7. Asthma and Emphysema	1				1			1																1															1	1
8. Other Diseases of Respiratory System																																								
Total	9	8		13	4		8	8	1	3	1	1					1		1		2	3	2				2	4		3	1	2	1	1		1	1	1	17
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the stomach																																								
2. Other Diseases of Stomach (Cancer excepted)	1			1			1				1																									1			1
3. Infantile Diarrhœa and Cholera Infantum	5	1		4			1			1																									2	2				4
4. Diarrhœa and Enteritis (not infantile)	1	2		3			1	2						1				1							1										1		1	1	3
5. Dysentery	1	1		1	1		2			1														1												1		1	2
6. Hernia and Intestinal obstructions		1		1				1													1								1										1
7. Diseases of the Liver		1			1		1																	1					1										1
8. Peritonitis (not puerperal)		1		1			1												1																1				1
9. Iliac Abscess and Appendicitis	1			1				1															1														1		1
Total	7	7		12	2		10	4		3	1			1			1	1		1			1		2	1				1	1			1	2	3	5	1	2	14
VII. GENITO URINARY SYSTEM																																								
1. Acute Nephritis																																								
2. Bright's Disease	2	2		4	3		1	1	2										1			1		1		1			1				1	1	1				4
3. Other Diseases of Kidneys and Adnexa																																								
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus		1		1				1											1												1								1
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	2	3		5	3		1	2	2										2			1	1	1					1	1		1	1	1					5

	98	75	117	51	5	77	88	6	33	2	3	1	4	1	4	5	6	9	4	10	15	23	30	12	3	12	17	15	13	19	13	16	15	12	15	9	17	173
VIII. PUERPERAL DISEASES.																																						
1. Puerperal Septicæmia																																						
2. Puerperal Albuminuria and Convulsions			1					1																														
3. Other acc. of Preg., Sudden death			4		1	1																																1
4. Puerperal Diseases of the Blood																																						4
Total			5		1	1		1																														5
IX. THE SKIN.																																						
1. Erysipelas																																						
2. Skin and Adjacent tissues (not specified)																																						
Total																																						
X. LOCOMOTOR SYSTEM.																																						
1. Pott's Disease																																						
2. Diseases of Bones and Joints																																						
3. Amputation (for unspecified Disease)																																						
Total																																						
XI. MALFORMATIONS, ETC.																																						
1. Still-births	7	1		5					8																													
2. Congen. Debility and Malformations	7			5					9																													
3. Other Dis. of Infancy	11	10		6	15	1	1	15																														
4. Senile Decay																																						
Totals	25	1		21	15	1	2	17																														
XII. SUICIDE.																																						
1. Poison																																						
2. Hanging																																						
3. Drowning																																						
4. Other methods																																						
Total																																						
XIII. ACCIDENTS.																																						
1. Fractures and Dislocations	4	2		2	2																																4	
2. Drowning																																						
3. Railways	1			1																																	1	
4. Burns and Scalds																																						
5. Other accidents	2			1																																	2	
Total	7	2		4	2																																7	
XIV. ILL-DEFINED CAUSES																																						
1. Dropsy	2	1		1	1	1		1																														
2. Tumors	1	2		3		1																																
3. Other Ill-defined Causes	1																																					
4. Lockjaw																																						
Total	4	3		4	1	2		1																														
Total from all causes																																						

CAUSES OF DEATHS BY CITIES IN 1902.—WOODSTOCK.—Population, 8,921.

General Diseases.	Sex.			Nativity.			Social condition.			Ages.																								Months.												Total.
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.					5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over	Not given	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	
										0.	1.	2.	3.	4.																														
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES																																													
1. Typhoid Fever		2	1			3			2	1										1				2				1								1			1		3
2. Small-pox																																												
3. Measles																																												
4. Scarlet Fever	1			1			1						1																	1											1
5. Whooping Cough																																												
6. Diphtheria and Croup			1	2			2									2								1					1			1								2	
7. Cholera					1		1																																			1	
8. Other Epidemic Diseases																																												
Total		3		3	1		4	2	1		1					2				1				2	1			2	1		1			1		1			1		7
II. OTHER GENERAL DISEASES.																																												
1. Pyæmia and Septicæmia																																												
2. Malarial Fever																																												
3. Tuberculosis and Scrofula			1				1	1									1	1	1	1	1	1		1	1					1		1			1	1	1	2	1		8
4. Syphilis																																												
5. Cancer	2	1			3		1	5													1		3	1	1			2	1		1					1	1		1		6
6. Rheumatism		1			1			1															1									1									1
7. Diabetes																																												
8. Other General Diseases																																												
9. Alcoholism, Acid and Chronic																																												
Total	1	3		3	4		5	10									1	1	1	1	2	1		5	2	1			2	1	1	1	1			1	2	2	2	2	15
Local Diseases.																																												
III. NERVOUS SYSTEM																																												
1. Encephalitis																																												
2. Simple Meningitis		2		2			1	1										1		1									1								1				2
3. Epidemic Cerebro-spinal Meningitis																																												
4. Congestion and Hemorrhage of Brain	1	1		4	1			3	2													1	1		5				2		1	1				2		1		7
5. Softening of the Brain																																												
6. Paralysis without special cause	1	2		2	1		1	2										1			1					1					1							1		3
7. Insanity																																												
8. Epilepsy																																												
9. Convulsions (not puerperal)	1	4		5			5			3	1							1														1			2	1	1				5
10. Other Nervous Diseases																																												
Total	3	9		13	1		7	8	2	3	1					2	1	1	1		1	1		5	1			1	2		3	2		2	1		4		2	17
IV. CIRCULATORY SYSTEM.																																												
1. Pericarditis																																												

| | | |

WOODSTOCK.—*Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. DISEASES OF THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)		1		1				1														1												1							1
Total		1		1				1														1												1							1
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of the Bones and Joints																																									
3. Amputation (not unspecified Diseases)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still Births	3	4		7			7			7																			1			1	1	1			1	1		7
2. Congen. Debility and Malformations	2	4		6			6			6																			1	1		1		1						6
3. Other Diseases of Infancy																																								
4. Senile Decay		2		1					1																	1		2	1	2				1				1		7
Total	10	10		14			13		1	13																1		2	2	2	2	1	3	2		1		1	2	20
XII. SUICIDE.																																								
1. Poison																																								
2. Strangulation																																								
3. Gas Poisoning																																								
4. Drowning																																								
5. Firearms	1			1				1														1									1								1
Total	1			1				1														1									1								1
XIII. ACCIDENTS.																																								
1. Fractures and Dislocations	2			2			1	1								1							1							1	1								2
2. Gunshot																																								
3. Drowning	1			1			1											1															1							1
4. Electric Cars																																								
5. Railways	3			2	1		1	1	1			1										1		1						1	1			1				3
6. Poison	2			2	1		3							1				1					1								2					1		3
Total	8	1		7	2		6	2	1			1		1	1		2				1	2		1				1	1	1	3	1			1	1		9
XIV. ILL DEFINED CAUSES.																																								
1. Dropsy	1			1	2		1	2															1						1				1					1	3
2. Tumors	2	2		1	3			1													1												2	1		1			4
3. Other Ill-Defined Causes	2	1		2	1		1	2			1										1									1			1			1			3
4. Lockjaw		1			1			1										1																						1
Total	5	4		4	7		2	8			1							1			2	1	1			6				1	1		1	3	2	1	1		1	11
Total from all causes	66	67		93	40		59	68	6	24	2	4	1		3	5	3	5	5	5	8	7	6	11	14	13	12		13	10	9	15	13	9	14	7	7	13	10	13	133

CAUSES OF DEATHS BY TOWNS IN 1902—BERLIN.—Population, 9,844.

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																						Months.												Total.
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	Under 5.					5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	Jan.	Feb.	March	April.	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
										0	1	2.	3.	4																												
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1. Typhoid Fever																																									
2. Smallpox																																									
3. Measles																																									
4. Scarlet Fever		1		1			1									1													1													1
5. Whooping Cough																																									
6. Diphtheria and Croup	3			3			3						1	1															3													3
7. Influenza	1			1			1			1																														1		1
8. Other Epidemic Diseases																																									
Total	1	1		5			5			1		1	1	2															4										1			5
II. OTHER GENERAL DISEASES.																																									
1. Pyæmia and Septicæmia																																									
2. Malarial Fever																																									
3. Tuberculosis and Scrofula	2	7		6	2	1	2	5	2	1					1			2	1		1		1		1		1		1		1	1		1	1	2			9
4. Syphilis																																									
5. Cancer	4	3		3	1			4	3											1	1	1		4						1		1		1			1	3		7
6. Rheumatism and Gout																																									
7. Diabetes	1				1			1																	1												1			1
8. Other General Diseases																																									
9. Alcoholism, Acute and Chronic	1			1				1														1										1								1
Total	8	10		10	7	1	2	9	7	1					1			2	1	1	2	2	1	5	1		1		1	2	1	2	1	1	1	1	2	3	3	18
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis																																									
2. Simple Meningitis	1	1		2			2						1		1																						1		1		2
3. Epidemic Cerebro-spinal Meningitis																																									
4. Congestion and Hemorrhage of Brain	6	2		3	5		2	2	1										1			1		3	2	1					2	2			1	1	1	1		8
5. Softening of the Brain	1	1		1	1			1	1													1			1										1					2
6. Paralysis without specified cause	1	1			2				2																	2										1		1			2
7. Insanity																																									
8. Epilepsy																																									
9. Convulsions (not puerperal)	2	4		6			6			4	1						1												3						2		1			6
10. Other Nervous Diseases	1	1		1	1			1	1														2														1	1		2
Total	12	10		13	9		10	4	8	5	1	1			1		2		2	1	4	1		1				3		2	3		2	3	2	1	1	2	22

BERLIN.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	5	5	..	4	6	....	1	2	7										1	1		2	4	1	1			2		1	2		2	1		1	1		10
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc																																									
6. Other Diseases of Circulatory System																																									
Total	5	5	..	4	6	....	1	2	7										1	1		2	1	1	1			2		1	2		2	1		1	1		10
V. RESPIRATION.																																									
1. Acute Bronchitis	2	....	..	2	....	....	2	....	....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
2. Chronic Bronchitis	2	5	..	1	1	....	....	3	2	....	..	..	..	..	..	..	..	..	..	..	..	1	..	2	2	..	2	..	..	..	1	..	1	..	1	..	..	..	..	..	5
3. Broncho pneumonia	....	1	..	1	....	....	....	....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
4. Pneumonia	1	2	..	1	2	....	1	2	....	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	3
5. Pleurisy	..	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
6. Congestion of the Lungs	....	1	..	1	....	....	....	....	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
7. Asthma and Emphysema	..	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
8. Other Diseases of Respiratory System	..	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	5	7	....	6	6	..	3	7	....	1	..	..	..	..	..	..	..	..	1	..	..	1	..	..	3	3	..	..	3	..	1	1	..	2	2	..	1	..	2	..	12
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach	....	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
2. Other Dis's. of the Stomach (cancer excepted)	..	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	2
3. Infan. Diarr. and Cholera Infantum	1	1	..	2	....	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Diarrhœa and Enteritis (not Infantile)	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Dysentery	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
6. Hernia and Intestinal obstructions	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
7. Other Diseases of the Intestines	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
8. Diseases of the Liver	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Peritonitis (not puerperal)	3	....	..	2	....	....	....	....	....	....	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	3
10. Iliac Abscess and Appendicitis	....	1	..	1	....	....	....	....	1	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Total	4	3	..	6	1	..	4	1	2	1	1	..	..	..	1	..	1	..	2	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	2	1	..	2	..	7
VII. GENITO URINARY SYSTEM.																																									
1. Acute Nephritis	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
2. Bright's Disease	1	1	..	2	..	..	1	....	1	....	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	2
3. Other Diseases of Kidneys and Adnexa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
4. Diseases of the Bladder	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
5. Metritis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
6. Other Diseases of the Uterus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
7. Other Diseases of female Genital Organs	....	..	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Total	1	1	..	2	....	..	1	..	1	....	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	2
VIII. PUERPERAL DISEASES.																																									
1. Puerperal Septicæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....

	53	53	60	45	1	34	27	45	18	1	1	2	3	2	2	1	7	3	6	3	4	6	19	18	7	2	9	7	9	8	9	6	9	10	9	7	12	11	106
2. Puerperal Albuminuria and Convul.																																							
3. Other acc. of Pregnancy, sudden Death																																							
Total																																							
IX. THE SKIN.																																							
1. Erysipelas				1																																		1	
2. Skin and Adnexa (cancer excepted)																																							
Total				1																																		1	
X. LOCOMOTOR SYSTEM.																																							
1. Pott's Disease		1																																				1	
2. Diseases of the Bones and Joints				1				1																															
3. Amputation (for unspecified Disease)												1																											1	
Total		1		1				1				1																											2	
XI. MALFORMATIONS, ETC.																																						4	
1. Still-Births		1		2				2			2																										2			
2. Congen. Debil. and Malformations		2		1				4			4																									1	1			
3. Other Diseases of Infancy																																						14	
4. Senile Decay		7							1	13					4	10												1	7	5	1		2	2				2		
Total		10	10			7	13		6		6				4	10												1	7	5	1	1	2	2	1	1	2	4	2	20	
XII. SUICIDE.																																							
1. Poison																																							
2. Strangulation																																							
3. Drowning																																							
4. Firearms																																							
Total																																							
XIII. ACCIDENTS.																																						1	
1. Fractures and Dislocations		1																																					
2. Crushed																																							
3. Lightning																																							
4. Drowning																																							
5. Electric Cars																																							
6. Bicycles																																							
7. Railways																																							
8. Burns and Scalds																																							
9. Homicide																																							
Total																																						1	
XIV. ILL-DEFINED CAUSES.																																						4	
1. Dropsy		1																																				1	
2. Tumors																																						2	
3. Other Ill-defined Causes																																							
Total		2																																				7	
Total from all causes																																							

CAUSES OF DEATHS BY TOWNS IN 1902.—BROCKVILLE.—Population, 9,029.

General Diseases.	Sex.			Nativity.			Social cond.			Ages.																								Months.												Total.
										Under 5.																																						
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1.	.1	.2	.3	.4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
I. COMMUNICABLE DISEASES.																																													
1. Typhoid Fever	3	1		4			1	3								1					1	1	1										1		2		1		4
2. Smallpox																																												
3. Measles																																												
4. Scarlet Fever																																												
5. Whooping Cough																																												
6. Diphtheria and Croup																																												
7. Influenza	1	1		8			8				5			2		1														2							1	2	3	8
8. Other Epidemic Diseases																																												
Total	7	5		12			9	3			5			2		2					1	1	1						2				1		2	1	2	4	12
II. OTHER GENERAL DISEASES.																																												
1. Pyæmia and Septicæmia	1			1			1									1																									1
2. Malarial Fever																																												
3. Tuberculosis and Scrofula	7	12		11	4	1	7	10	2		1			1			3	3	1	5	1		1	2	1			1	3	2	3		2	2	1	1	1	3	19
4. Syphilis																																												
5. Cancer	2	1		3	1			6														1	1		2	2			1				1		2		2		6
6. Rheumatism and Gout		1		1				1																	1						1									1
7. Diabetes																																												
8. Other General Diseases																																												
9. Alcoholism, Acute and Chronic																																												
Total	10	17		21	5	1	8	17	2		1			1	1	1	3	3	1	5	2	1	1	5	3			2	3	3	3		2	3	1	3	2	5	27
Local Diseases.																																												
III. NERVOUS SYSTEM.																																												
1. Simple Meningitis	1	1		2			2				1			1																			1		1					2
2. Epidemic Cerebro-spinal Meningitis																																												
3. Congestion and Hemorrhage of Brain	2	3		4	1			5																1	1		3			1			1		1	1	1		5
4. Softening of the Brain	2	1		2		1		1	2											1					2				1		1								3
5. Paralysis without specified cause	1	2		1	1	1		3																	1		2		1					1	1				3
6. Insanity																																												
7. Epilepsy		1		1			1																																			1
8. Convulsions (not puerperal)	1			1			1				1																															1
9. Other Nervous Diseases	1			1				1																	1							1							1	1
Total	8	8		12	2	2	4	10	2	1	1			1					2					1	5		5		1		2	1	2		4	1	2	1	1	16
IV. CIRCULATORY SYSTEM.																																												
1. Pericarditis																																												
2. Endocarditis																																												

| | | |

BROCKVILLE.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas		1			1			1															1						1												1
2. Skin and Adnexa (cancer excepted)																																									
Total		1			1			1															1						1												1
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of the Bones and Joints																																									
3. Amputation (for unspecified diseases)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-Births	5	2		7			7			7																			1		1	1	1	1		1				7
2. Congen. Debil and Malformations	6	3		9			9			9																			2		3		2			1				9
3. Other Diseases of Infancy																																									
4. Senile Decay	5	7		4	8		1	11																	1	3	8		1	1	1	1	2		2	2	1	1		12
Total	16	12		20	8		17	11		16															1	3	8		4	1	5	2	5	1	1	3	2	3	1	28
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
5. Firearms																																									
Total																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	5			4		1	1	3	1										1		1			2	1					1	1			2		1				5
2. Drowning	1			1				1														1															1				1
3. Electric Cars																																									
4. Railways	4			1	2	1	3	1				1				1		1		1		1							1		1	1								4
5. Burns and Scalds		1		1			1							1																						1				1
6. Poison		1		1			1											1												1										1
7. Other accidents																																									
Total	10	2		8	2	2	6	5	1			1		1				2	1	1	1	2		2	1				1		2	2		1	3		2	1		12
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy		2		1		1	1	1									1							1							1			1						2
2. Tumors	2			1		1	1	1		1														1							1						1			2
3. Other Ill-Defined Causes		1		1				1																1										1						1
Total	2	3		3		2	2	3		1							1							1	2						2		1	1		1				5
Total from all causes	89	88		135	35	7	80	89	8	28	12	2	1	3	7	3	6	11	6	7	10	7	9	12	24	10	19		12	18	19	18	17	10	18	18	19	13	12	13	177

CAUSES OF DEATHS BY TOWNS IN 1902—CORNWALL—Population, 6,771.

General Diseases.	Sex.			Nativity.			Social Con.			Ages.																						Months.												Total.
										Under 5.																																		
	Male.	Female.	Not Stated.	Canada.	Foreign.	Not Stated.	Single.	Married.	Not Stated.	0.1	.1	.2	.3	.4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever	3	1	...	3	1	....	3	....	1	....	..	..	..	..	....	2	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	1	..	..	..	..	4
2. Smallpox	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Scarlet Fever	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Whooping Cough	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Diphtheria and Croup	1	...	...	1	...	..	1	...	....	...	..	..	..	..	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
7. Influenza	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	1	....	1	1	..	4	..	1	....	..	..	..	..	....	3	..	..	1	1	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	1	1	..	..	..	5
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	..	...	...	...	...	...	...	...	...	....	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Malarial Fever	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	5	10	..	12	...	3	9	1	5	....	..	..	..	..	....	1	3	2	..	..	2	1	2	1	..	..	..	..	..	1	..	1	2	3	2	2	..	2	..	2	15
4. Syphilis	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	3	..	....	3	..	....	....	2	1	....	..	..	..	..	....	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	3
6. Rheumatism and Gout	1	..	....	1	..	....	..	....	1	....	..	..	..	..	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
7. Diabetes	....	..	....	....	..	....	....	....	....	....	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other General Diseases	...	...	...	...	...	...	...	...	...	....	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism, Acute and Chronic	1	....	....	1	....	....	1	....	....	....	..	..	..	..	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Total	10	10	....	17	....	3	10	3	7	....	..	..	..	..	....	1	3	2	..	1	3	1	3	1	..	2	..	..	1	..	3	3	3	2	2	..	2	..	4	20
Local Diseases.																																									
III. NERVOUS SYSTEM																																									
1. Encephalitis	....	2	....	2	....	....	2	....	....	....	1	..	..	..	....	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	2
2. Simple Meningitis	3	1	...	4	..	..	4	....	....	2	..	1	1	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	4
3. Epidemic Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Congestion and Hemorrhage of the Brain	6	4	..	8	1	1	1	3	6	....	..	..	..	..	....	1	..	..	..	..	..	1	..	2	..	5	1	..	1	2	1	..	1	..	2	..	..	2	..	1	10
5. Softening of the Brain	1	1	....	2	....	....	....	....	2	....	..	..	..	..	....	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2
6. Paralysis without specified cause	2	....	....	1	....	1	1	....	1	....	..	..	..	..	....	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2
7. Insanity	....	....	....	....	....	....	....	....	....	....	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Convulsions (not puerperal)	2	1	....	3	....	....	3	....	....	2	1	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	3
10. Other Nervous Diseases	....	1	....	1	....	....	1	....	....	....	..	..	..	..	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Total	14	10	....	21	1	2	12	3	9	4	2	1	1	..	1	..	..	1	..	..	..	2	..	4	..	6	2	..	3	2	1	..	4	2	5	..	1	2	2	2	24

TOWN OF CORNWALL—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Disease	2	3		5				3	2									1				1	2	1				1				1	1		1			1		5
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc.																																									
6. Other Diseases of Circulatory System	1			1					1													1													1						1
Total	3	3		6				3	3									1				1	1	2	1			1				1	1	1	1			1		6
V. RESPIRATION.																																									
1. Acute Bronchitis	4	3		7			6	1		5	2																		1	1		1	1		1	2				7
2. Chronic Bronchitis		1		1			1					1																	1											1
3. Broncho Pneumonia		1		1			1			1																														1
4. Pneumonia	5	2		6	1		1	6		1												1		2	2	1		1	1	1	1	2	1						7
5. Pleurisy		1		1				1														1										1								1
6. Congestion of the Lungs																																								
7. Asthma and Emphysema		1		1			1																				1		1											1
Total	9	9		17	1		10	8		7	2	1										2		2	2	2		4	2	1	1	3	3		1	2		1		18
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach	1			1					1												1															1				1
2. Other Diseases of Stomach (cancer excepted)		1		1			1														1											1								1
3. Infantum Diarrhœa and Cholera Infantum		2		2			2			2																									2					2
4 Diarrhœa and Enteritis (not infantile)																																								
5. Hernia and Intestinal obstructions	1					1			1															1										1						1
6. Diseases of the Liver		1				1			1														1												1					1
7. Peritonitis (not puerperal)	2	2		3		1	2	1	1						1	1			1	1												1			1		1	1	4
8. Iliac Abscess and Appendicitis																																								
Total	4	6		7		3	5	1	4	2					1	1			1	1	1	1		1								1	1		2	3		2		1	10
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	1	1		1	1			2																	1	1							1							2
3. Other Diseases of Kidneys and Adnexa	1			1				1															1									1								1
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs	1			1				1										1														1								1
Total	3	1		3	1			4										1					1	1	1			1	1		1	1							4
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicaemia																																								
2. Puerperal Albuminuria and Convulsions																																								

	65	51	92	11	13	50	30	36	21	4	2	1	2	5	3	5	3	3	4	5	8	6	11	15	17	11	12	12	6	15	9	15	8	5	6	11	116
3. Other acc. of Preg., sudden death																																					
Total																																					
IX. THE SKIN.																																					
1. Erysipelas																																					
2. Skin and Adnexa (cancer excepted)																																					
Total																																					
X. LOCOMOTOR SYSTEM.																																					
1. Pott's Disease																																					
2. Diseases of Bones and Joints																																					
3. Amputation for unspecified Diseases																																					
Total																																					
XI. MALFORMATIONS, ETC.																																					
1. Still-Births		1		1			1			1																						1					1
2. Congen. Debil. and Malformations	4	3		6	1		6	1		7																2	1				1			1	1	7
3. Other Diseases of Infancy																																					
4. Senile Decay	11	7		7	6	5	2	6	10																1	4	13		2	2	4	1	2		1	2	2	18
Total	15	11		14	7	5	9	7	10	8															1	4	13		2	4	5	1	2		1	3	3	26
XII. SUICIDE.																																					
1. Poison																																					
2. Other Methods																																					
3. Gas Poisoning																																					
4. Drowning																																					
5. Firearms																																					
Total																																					
XIII. ACCIDENTS.																																					
1. Fractures and Dislocations	1			1					1								1																				
2. Gunshot																																					
3. Lightning																																					
4. Drowning																																					
5. Electric Cars																																					
6. Railways																																					
7. Burns and Scalds																																					
8. Other Accidents																																					
9. Homicide																																					
Total																																					
XIV. ILL-DEFINED CAUSES.																																					
1. Dropsy		1		1				1																													1
2. Tumors																																					
3. Other Ill-defined Causes		1		1																																	1
Total		2		2				1	1																												2
Total from all causes																																					

CAUSES OF DEATHS BY TOWNS IN 1902.—LINDSAY—Population, 7,073

General Diseases.	Sex.			Nativity.			Soc'l con.			Ages.																												Months.												Total.
										Under 5.																																									
	Male.	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0.1	.1-.2	.3	.1-4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49	50-59.	60-69.	70-79.	80 and over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.											
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
I. COMMUNICABLE DISEASES.																																																	
1. Typhoid Fever	2	1	....	3	....	....	1	2	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	3									
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
4. Scarlet Fever	3	7	....	10	....	....	10	....	....	....	1	....	....	2	4	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	4	....	....	....	....	....	....	....	10									
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
6. Diphtheria and Croup	1	1	....	2	....	....	2	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	2									
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	6	9	....	15	....	....	13	2	....	....	2	1	....	2	4	1	3	....	1	....	....	....	....	....	1	....	....	....	....	1	....	6	4	....	....	2	1	1	....	15									
II. OTHER GENERAL DISEASES.																																																
1. Pyæmia and Septicæmia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
3. Tuberculosis and Scrofula	2	4	....	5	1	....	4	2	....	....	....	....	....	....	....	....	....	3	1	2	....	....	....	....	....	....	....	....	....	2	....	1	1	....	....	....	1	1	....	6									
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Cancer	1	3	....	3	1	....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	1	....	....	1	....	1	....	1	1	....	....	....	....	....	....	4									
6. Rheumatism and Gout	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1									
7. Diabetes	1	1	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1	1	....	2									
8. Other General Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Alcoholism, Acute and Chronic	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1									
Total	5	9	....	11	3	....	5	9	....	....	....	....	....	....	....	....	....	3	1	2	....	1	1	4	2	....	....	1	....	2	1	1	3	2	....	....	2	1	1	14									
Local Diseases.																																																
III. NERVOUS SYSTEM.																																																
1. Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
2. Simple Meningitis	1	1	....	2	....	....	1	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	2									
3. Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
4. Congestion and Hemorrhage of Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
6. Paralysis without specified cause	1	3	....	2	1	1	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	1	1	....	....	....	1	....	....	....	....	....	....	....	1	2	....	4									
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
9. Convulsions (not puerperal)	1	2	....	3	....	....	3	....	....	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	1	....	3									
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Total	3	6	....	7	1	1	4	5	....	4	....	....	1	....	....	....	....	....	....	....	....	2	....	....	1	1	....	....	1	2	....	....	....	....	....	1	2	2	1	....	9									
IV. CIRCULATORY SYSTEM.																																															
1. Pericarditis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										

| | | |

LINDSAY.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)																																									
Total																																								
X. LOCOMOTOR SYSTEM.																																									
1. Diseases of Bones and Joints																																									
2. Amputation (for unspecified Diseases)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-Births	2	2		4			4			4																			1					1		2				4	
2. Congen. Debility and Malformations	2	2		4			4			4																								1	1	1			1	4	
3. Senile Decay	2	2			4			4																		2	2						1	1		1	1		4	
Total	6	6		8	4		8	4		8																2	2		1				1	3	1	3	1	2	12	
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
5. Firearms																																									
Total																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations																																									
2. Gunshot																																									
3. Lightning																																									
4. Drowning	2			2			2									1					1										1				1				2	
5. Electric Cars																																									
6. Railways	4			2	1	1	2	1	1									1			2			1											3			1	4	
7. Burns and Scalds																																									
8. Other Accidents	1			1				1											1										1									1	
Total	7			5	1	1	4	2	1						1		1	1	1		3			1					1	1					4			1	7	
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy																																									
2. Tumors																																									
3. Other Ill-Defined Causes	2	1		1	2			2	1						1						1			1							1				1	1			3	
4. Tetanus																																									
5. Anthrax																																									
6. Judicially executed																																									
Total	2	1		1	2			2	1						1						1			1							1				1	1			3	
Total from all causes	40	45		66	17	2	45	37	3	14	3	1			5	4	4	6	4	4	3	4	3	1	4	2	9	4	7	4	7	5	8	12	9	7	10	7	4	5	85

CAUSES OF DEATHS BY TOWNS IN 1902.—NIAGARA FALLS.—Population 4,286.

General Diseases.	Sex.			Nativity.			Social con.			Age.																							Months.												Totals.
										Under 5.																																				
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1.	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever																																									
2. Smallpox																																									
3. Measles																																									
4. Scarlet Fever																																									
5. Whooping Cough																																									
6. Diphtheria and Croup																																									
7. Influenza																																									
8. Other Epidemic Diseases																																									
Total																																									
II. OTHER GENERAL DISEASES.																																									
1. Pyaemia and Septicaemia	1			1			1														1								1												1
2. Malarial Fever																																									
3. Tuberculosis and Scrofula																																									
4. Syphilis																																									
5. Diabetes																																									
6. Rheumatism and Gout																																									
7. Cancer	2				2			2														1		1						1							1				2
8. Other General Diseases																																									
9. Alcoholism, Acute and Chronic																																									
Total	3			1	2		1	2													1	1		1					1	1							1				3
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis																																									
2. Simple Meningitis		1		1				1											1																	1				1
3. Epidemic Cerebro-spinal Meningitis																																									
4. Congestion and Hemorrhage of Brain	2	1		1	2		1	2													1		1		1	1			1					1		1				3
5. Softening of the Brain																																									
6. Paralysis without specified cause	1	2			3			3																	1	2			1	1							1				3
7. Insanity																																									
8. Epilepsy																																									
9. Convulsions (not puerperal)	1			1			1			1																												1				1
10. Other Nervous Diseases	1			1				1																	1							1									1
Total	5	4		4	5		2	7		1									1		1		1		1	2	3		2	1		1			1		2	2			9

NIAGARA FALLS.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	1	2		2	1			3													1			2					1						1	1				3
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc																																									
6. Other Diseases of Circulatory System																																									
Total	1	2		2	1			3													1			2					1						1	1				3
V. RESPIRATION.																																									
1. Acute Bronchitis																																									
2. Chronic Bronchitis		1		1				1																1														1		1
3. Broncho-pneumonia																																									
4. Pneumonia	2	4		4	2		3	3		1	1							1						2	1			1	2			1	2						6
5. Pleurisy																																									
6. Congestion of the Lungs																																									
7. Asthma and Emphysema																																									
8. Other Diseases of Respiratory System																																									
Total	2	5		5	2		3	4		1	1							1						3	1			1	2			1	2					1	7
VI. DIGESTIVE SYSTEM.																																									
1. Ulcer of the Stomach																																									
2. Other Dis. of Stomach (cancer excepted)	1				1			1																1					1										1
3. Infan. Diarrhœa and Cholera Infantum	3	2		5			5			2	2	1																				1			1	2	1			5
4. Diarrhœa & Enteritis (not infantile)																																									
5. Dysentery		1		1			1					1																								1				1
6. Hernia and Intestinal obstructions																																									
7. Diseases of the Liver	1				1			1																	1					1										1
8. Peritonitis (not puerperal)																																									
9. Iliac Abscess and Appendicitis	1	1		1	1		1	1								1								1											1			1	2
Total	6	4		7	3		7	3		2	2	2				1								1	1	1			1	1	1			2	3	1		1	10
VII. GENITO-URINARY SYSTEM																																									
1. Acute Nephritis																																									
2. Bright's Disease	3	2		3	2			5															1	1	1	2			1			1				1	1		1	5
3. Other Diseases of Kidneys and Adnexa																																									
4. Vesical Calculi																																									
5. Diseases of the Bladder																																									
6. Diseases of Male Genital Organs																																									
7. Metritis																																									
8. Other Diseases of the Uterus																																									
9. Ovarian Cysts and Ovarian Tumors																																									
10. Other Dis's. of Fem. Genital Organs																																									
Total	3	2		3	2			5															1	1	1	2			1			1				1	1		1	5

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CAUSES OF DEATHS BY TOWNS IN 1902.—OWEN SOUND.—Population, 8,863.

General Diseases.	Sex			Nativity.			Soc'l con.			Ages.																						Months.												Totals
										Under 5.																																		
Number of Column.	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.1	1.	2.	3.	4.	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 & over.	Not given.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct	Nov.	Dec.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																									
1 Typhoid Fever		2			2			2											2																1		1			2
2. Smallpox																																									
3. Measles		3			3			3		1	1	1																		2	1										3
4 Scarlet Fever																																									
5. Whooping Cough																																									
6. Diphtheria and Croup																																									
7. Influenza		2	1		3			1	1	1															2				1	2										3
8. Other Epidemic Diseases																																									
Total	7	1		8			6	1	1	2	1	1							2						2				1	4	1				1		1			8
II. OTHER GENERAL DISEASES																																									
1. Pyaemia and Septicaemia																																									
2. Malarial Fever																																									
3. Tuberculosis and Scrofula	6	3		8	1		3	3	3								1	1	4	1	1	1							1	1		1	1	1	3	1					9
4. Syphilis																																									
5. Cancer	1	1		1	1			2														1				1			1			1									2
6. Rheumatism and Gout	1	1		1	1		1	1									1							1		1			1							1					2
7 Diabetes																																									
8 Other General Diseases																																									
9. Alcoholism, Acute and Chronic																																									
Total	8	5		10	3		4	6	3								2	1	4	1	1	2		1		1			8	1		2	1	1	3	1	1			13
Local Diseases.																																									
III. NERVOUS SYSTEM.																																									
1. Encephalitis	2			2			2			1					1														1									1		2
2. Simple Meningitis	1	3		1			4			1	1			1	1															1							1	2		4
3 Epidemic Cerebro-spinal Meningitis																																									
4. Congestion and Hemorrhage of Brain	3	3		1	5		1	5		1														1	1	2	1		2	1				1			1	1	6
5. Softening of the Brain																																									
6. Paralysis without specified cause	1				1			1																			1													1
7. Insanity																																									
8. Epilepsy		1		1				1																1										1						1
9. Convulsions (not puerperal)	2			2			2			2																				1									1	2
10. Other Nervous Diseases																																									
Total	9	7		10	6		9	7		5	1			1	2									2	1	2	2		3	2	1			1	1	1		1	4	2	16
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									

| | | |

OWEN SOUND—*Concluded.*

Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas																																									
2. Skin and Adnexa (cancer excepted)																																									
Total																																								
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of Bones and Joints																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-Births	3	2	...	5	....	...	5	..	....	5																			1	.	1	1	.	.	.	1	.	1	.	5
2. Congen. Debility and Malformations	8	4	...	12	..	....	12	....	....	12																			1	3	.	.	1	1	1	2	1	1	1	12
3. Other Diseases of Infancy	....	....	....	....	....	....	....	....	....	....																			....	....	....	....	....	....	....	....	....	....	....	....
4. Senile Decay	14	3	...	5	12	....	....	12	5																1	7	9	.	2	.	2	3	2	1	.	2	1	2	2	.	17
Total	25	9	....	22	12	....	17	12	5	17															1	7	9	.	4	3	3	4	2	2	1	3	4	3	4	1	34
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
Total																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	2	....	....	1	....	1	....	1	1	....								1	....	....	....				1	....	1	....	1	....	....	....	....	....	1	....	....	....	....	2
2. Gunshot	....	....	....	....	....	....	....	....	....	....																															....
3. Lightning	....	....	....	....	....	....	....	....	....	....																															....
4. Drowning	....	....	....	....	....	....	....	....	....	....																															....
5. Exposure	1	....	....	....	1	....	....	....	1	....															1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
6. Railways	....	....	....	....	....	....	....	....	....	....																															....
7. Burns and Scalds	....	....	....	....	....	....	....	....	....	....																															....
8. Asphyxia	1	....	....	1	....	....	....	....	1	....															1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1
Total	4	....	....	2	1	1	....	1	3	....								1	....	....	....				1	1	1	....	1	1	1	....	....	1	....	....	....	....	....	4
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy	....	1	....	1	....	....	....	1	....	....															1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
2. Tumors	....	....	....	....	....	....	....	....	....	....																															....
3. Other Ill-Defined Causes	....	2	....	2	....	....	2	....	....	....								2	....	....	....				....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	2
4. Lockjaw	....	....	....	....	....	....	....	....	....	....																															....
Total	....	3	....	3	....	....	2	1	....	....								2	....	....	....				1	....	....	....	....	....	....	....	....	....	1	1	1	....	....	3
Total from all causes	75	43	....	83	34	1	51	52	15	30	2	2	1	3	1	6	3	7	3	5	3	1	12	9	16	14	14	14	10	13	4	9	10	6	11	10	11	6	118

CAUSES OF DEATH BY TOWNS.—PETERBOROUGH.—Population, 11,351.

| General Diseases. | Sex. | | | Nativity | | | Soc'l con. | | | Ages. Under 5. | | |

PETERBOROUGH.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
V. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis																																									
3. Organic Heart Diseases	4	5		5	1		4	5									1		1	3		1	1	1	1				2	3			1		2			1		9
4. Angina Pectoris																																									
5. Arteries, Atheroma, Aneurism, etc.																																									
6. Other Diseases of Circulatory System		1		1				1														1													1					1
Total	1	6		6	4		4	6									1		1	3		2	1	1	1				2	3			1		2	1		1		10
V. RESPIRATION.																																									
1. Acute Bronchitis	3	1		4			4			2	2																								1			2	1	4
2. Chronic Bronchitis	1			1				1																		1														1
3. Broncho pneumonia	1	4		4	1		4	1		2		1	1												1						1		1				2	1	5
4. Pneumonia	3	5		7	1		5	3		1	1		1		2									3				1	1	1				1	1	1	2	8
5. Pleurisy																																								
6. Congestion of the Lungs	2	2		5	1		3	1		1				1		1								1				1			1	1				1			4
7. Asthma and Emphysema	2	1		3			2	1							2									1									1	1		1			3
8. Other Diseases of Respiratory System																																								
Total	12	13		22	3		18	7		6	3		2	2	2	3								1	5	1			2	2	1	2	1	2	2	1		1	7	4	25
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)		2		1	1			2															1		1				1						1				2
3. Infantum Diarrhœa and Cholera Infantum	1	2		2	1		3			3																										1	2			3
4. Diarrhœa and Enteritis (not infantile)																																								
5. Dysentery																																								
6. Hernia and Intestinal obstructions		1			1		1																			1								1						1
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver	2	1		1	2		1	2												2					1			1					1					1	3
9. Peritonitis (not Puerperal)	1	3		3	1		3	1						1	1		1							1				1	1			1					1		4
10. Iliac Abscess and Appendicitis		1			1			1																										1						1
Total	4	10		7	7		8	6		3				1	1		1			2			1	2	1	1		1	2	2			2	2		1	3		2	14
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis		2		1	1			2												1															1	1				2
2. Bright's Disease	1			1	2		2	2														1		1	1	1			1				1					1	1	1
3. Other Diseases of Kidneys and Adnexa																																								
4. Vesical Calculi	1				1			1																	1													1	1
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
Total	5	2		3	1		2	5												1		1		2	2	1			1				1	1	1			1	2	7

| | | |

CAUSES OF DEATHS BY TOWNS IN 1902—RAT PORTAGE.—Population, 5,254.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																											Months												Total.
										Under 5.																																									
	Male.	Female.	Not stated.	Canada	Foreign.	Not stated.	Single.	Married	Not stated.	0-1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over	Not given	Jan	Feb.	March	April.	May.	June	July	Aug.	Sept.	Oct.	Nov	Dec	
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																															
1. Typhoid Fever	2	2	...	1	3	....	2	2	...	...	...	...	...	...	...	...	...	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	1	4
2. Smallpox	...	...	...	...	...	....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
3. Measles	1	...	...	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
4. Scarlet Fever	1	2	....	3	...	...	3	...	....	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	3
5. Whooping Cough	1	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
6. Diphtheria	1	...	...	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
7. Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
8. Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	6	4	..	7	3	....	8	2	...	1	1	1	1	..	2	..	..	1	1	..	2	..	..	..	..	..	..	..	..	..	..	1	..	1	1	3	1	..	1	1	1	10
II. OTHER GENERAL DISEASES.																																														
1. Pyæmia and Septicæmia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
2. Malarial Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
3. Tuberculosis and Scrofula	1	1	...	2	..	..	1	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2
4. Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
5. Cancer	1	2	....	2	...	1	....	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	3
6. Rheumatism and Gout	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
7. Diabetes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
9. Alcoholism, Acute and Chronic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	2	3	...	4	..	1	1	4	...	...	...	...	...	...	...	...	1	...	1	1	...	...	1	1	...	...	...	...	...	...	...	2	...	...	...	1	2	...	...	5
Local Diseases.																																														
III. NERVOUS SYSTEM.																																															
1. Encephalitis	1	...	....	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
2. Simple Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
3. Epidemic Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
4. Congestion and Hemorrhage of Brain	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
5. Softening of the Brain	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
6. Paralysis without specified cause	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1
7. Insanity	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
8. Epilepsy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
9 Convulsions (not puerperal)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
10. Other Nervous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	2	1	...	1	2	....	1	2	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	...	3
IV. CIRCULATORY SYSTEM.																																														
1. Pericarditis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	.....

| | | |

RAT PORTAGE—*continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1. Erysipelas	1			1			1			1																					1										1
2. Skin and Adnexa (cancer excepted)																																									
Total	1			1			1			1																					1										1
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Disease of Bones and Joints																																									
3. Amputation (for unspecified diseases)																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still Births																																									
2. Congen. Debility and Malformation	2	2		4			4			4																						2		1	1					4	
3. Other Diseases of Infancy																																									
4. Senile Decay	2				2		1	1																	1	1					1			1						2	
Total	4	2		4	2		5	1		4															1	1					1	2		2	1					6	
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Other Methods																																									
Total																																									
XIII. ACCIDENT.																																									
1. Fractures and Dislocations	5			2	3		4		1										4			1							2			1			1	1			5	
2. Gunshot	1			1			1												1										1											1	
3. Lightning																																										
4. Drowning	7	2		7	2		8	1					1	1		1	1	3	1			1									2		1	1	2	3				9	
5. Bicycles																																									
6. Railways	3			1	2		2		1								1					1		1							1			1		1				3	
7. Burns and Scalds																																									
8. Homicide																																									
Total	16	4		11	7		15	1	2				1	1		2	1	8	1	1	2	1						3		1	2		3	1	3	3	1		1	18	
XIV. ILL-DEFINED CAUSES.																																									
1. Dropsy																																									
2. Tumors																																									
3. Other Ill-Defined Causes																																									
Total																																									
Total from all causes	43	22		43	21	1	46	17	2	9	5	1	2	1	6		5	3	13	3	6	2	1	4	2	1	1	7	4	3	6	7	5	8	9	4	4	2	6	65

CAUSES OF DEATHS BY TOWNS IN 1902. SARNIA Population, 8,257.

General Diseases.	Sex.			Nativity.			Soc'l Con.			Ages																								Months.												Total.
										Under 5.																																						
	Male	Female.	Not sta.	Canada.	Foreign.	Not sta.	Single.	Married.	Not sta.	0-1	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70-79	80 and over	Not given	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Number of Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES																																													
1. Typhoid Fever	7	6	...	9	4	...	8	5	...	...	1	..	.	.	2	2	1	1	1	1	1	3	.	.	.	.	.	.	1	.	1	1	.	.	.	.	2	6	2	13
2. Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Measles	...	1	...	.	1	.	1	.	...	1	..	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
4. Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Other Epidemic Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	7	7	...	9	5	..	9	5	.	1	1	.	.	.	2	2	1	1	1	1	1	3	.	.	.	.	.	.	2	.	1	1	.	.	.	.	2	6	2	11
II. OTHER GENERAL DISEASES.																																												
1. Pyæmia and Septicæmia	1	1	...	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	2
2. Malarial Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Tuberculosis and Scrofula	3	5	...	5	2	1	4	3	1	...	...	...	...	...	...	1	1	...	1	.	1	2	.	1	1	...	...	...	1	...	...	.	3	1	1	1	1	...	8
4. Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Cancer	2	2	...	2	1	1	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	1	...	1	...	...	...	...	...	1	...	1
6. Rheumatism and Gout	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	..	...	...	...	...	...	...	...	...	1
7. Diabetes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Other General Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Alcoholism, Acute and Chronic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	6	9	..	10	3	2	5	9	1	..	..	..	..	..	..	1	1	..	1	.	1	3	.	6	2	..	.	.	1	..	2	1	1	4	1	1	2	1	.	1	15
Local Diseases.																																												
III. NERVOUS SYSTEM.																																												
1. Encephalitis	...	1	...	1	...	...	...	1	...	...	1	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1
2. Simple Meningitis	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
3. Epidemic Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Congestion and Hemorrhage of Brain	3	...	...	2	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	...	...	1	...	...	...	1	...	...	...	...	1	3
5. Softening of the Brain	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Paralysis without specified cause	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1
7. Insanity	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1
8. Epilepsy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Convulsions (not puerperal)	5	1	.	6	...	...	6	...	...	4	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	2	.	.	.	.	.	1	.	.	6
10. Other Nervous Diseases	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Total	10	4	..	10	4	...	6	8	..	4	1	1	.	.	.	.	.	.	.	1	2	1	.	1	1	2	..	.	1	.	4	1	2	.	2	1	..	2	..	1	14

SARNIA.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis	1	5		7	4		4	5							1		1		1		1		1	3	1				2	1	1	1			1	1		2			9
3. Organic Heart Diseases																				1																					
4. Angina Pectoris		1		1				1																												1				1
5. Arteries, Atheroma, Aneurism, etc	1	2		2	1		2	1										1		1				1								2	1							3
Total	5	8		8	5		6	7							1		1	1	1	2	1		1	3	2				2	1	1	3	1		1	1	1	2			13
V. RESPIRATION.																																								
1. Acute Bronchitis	1			1			1			1																												1			1
2. Chronic Bronchitis																																								
3. Broncho pneumonia																																								
4. Pneumonia	6	1		8	2		7	3		2	1	1			1			1		1			1	2				1	2	2	1				1	2	1		10
5. Pleurisy	1			1				1										1												1									1
6. Congestion of the Lungs, inc. pul. apo.																																								
Total	8	1		10	2		8	1		3	1	1			1			2		1			1	2				1	2	3	1				1	3	1		12
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)		1		1				1														1								1									1
3. Infantile Diarrhœa and Cholera Infantum		2		2			2			2																									2				2
4. Diarrhœa and Enteritis (not infantile)																																								
5. Dysentery		1			1			1												1						1													1
6. Hernia and Intestinal obstructions																																								
7. Other Diseases of the Intestines																																								
8. Diseases of the Liver		1			1			1														1													1				1
9. Peritonitis (not puerperal)																																								
10. Iliac Abscess and Appendicitis		3		2	1		3										1	2											1						1			1	3
Total		8		5	3		5	3		2							1	2		1	1	1							2		1			1	3			1	8
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease	1	1			2			2																	1	1		1				1								2
3. Other Diseases of Kidneys and Adnexa	1			1			1						1																	1									1
4. Vesical Calculi																																								
5. Diseases of the Bladder	1				1			1																		1										1			1
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Other Diseases of the Female Genital Organs																																								
Total	3	1		1	3		1	3					1												2	1		1	1		1			1					4
VIII. PUERPERAL DISEASES.																																								
1. Puerperal Septicæmia																																								
2. Puerperal Albuminuria and Convulsions		1			1			1										1												1									1

	60	55	76	37	2	60	54	1	27	2	3	5	4	5	6	7	8	12	8	7	10	6	13	10	6	9	8	12	12	13	12	8	115
3. Other accidents of Preg. and sudden death			2																														
4. Puerperal Diseases of the Breast																																	
Total			3		2	1		3						1	1	1							1						2				8
IX. THE SKIN.																																	
1. Erysipelas																																	
2. Skin and Adnexa (cancer excepted)																																	
Total																																	
X. LOCOMOTOR SYSTEM.																																	
1. Pott's Disease																																	
2. Diseases of Bones and Joints			1		1		1				1																		1				1
3. Amputation (for unspecified disease)																																	
Total			1		1		1				1																		1				1
XI. MALFORMATIONS, ETC.																																	
1. Still-Births	5	2		7			7			7													1					3		2	1		7
2. Congen. Debil. and Malformations	6	4		10			10			10																	1	1	3	1	1		10
3. Other Diseases of Infancy	7	3		1	9		1	9															1	1			1	3	1	1	1		10
4. Senile Decay																																	
Total	18	9		18	9		18	9		17													2	1	1	4	4	1	4	2	4	3	27
XII. SUICIDE.																																	
1. Poison																																	
2. Strangulation																																	
3. Gas Poisoning																																	
4. Drowning																																	
Total																																	
XIII. ACCIDENTS.																																	
1. Fractures and Dislocations																																	
2. Gunshot																																	
3. Lightning																																	
4. Drowning																																	
5. Electric Cars																																	
6. Railways																																	
7. Burns and Scalds																																	
8. Homicide																																	
9. Other accidents	3			2	1		1	2				1			1		1							1				1		1			3
Total	3			2	1		1	2				1			1		1							1				1		1			3
XIV. ILL-DEFINED CAUSES.																																	
1. Dropsy																																	
2. Tumors		1			1			1												1									1				1
3. Other Ill-defined Causes																																	
Total		1			1			1												1									1				1
Total from all causes																																	

CAUSES OF DEATHS BY TOWNS IN 1902. SAULT STE. MARIE.—Population, 7,267.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																								Months.												Total.
										Under 5.																																						
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0	1	1	2	3	4	5-9.	10-14.	15-19.	20-24.	25-29.	30-34.	35-39.	40-44.	45-49.	50-59.	60-69.	70-79.	80 and over.	Not given.	Jan.	Feb.	March.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																													
1. Typhoid Fever	12	4	....	7	6	3	3	5	8	1	..	..	..	1	..	1	1	3	1	2	3	1	..	1	..	..	1	..	1	..	..	2	..	..	..	2	4	4	..	2	16
2. Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Measles	2	..	..	1	1	..	2	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	2
4. Scarlet Fever	2	1	..	2	1	..	3	..	..	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	3
5. Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Diphtheria and Croup	1	..	..	1	..	..	1	..	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
7. Influenza	..	2	..	1	1	....	1	1	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	2
8. Other Epidemic Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	17	7	..	12	9	3	10	6	8	5	..	2	1	1	1	1	3	1	2	3	1	..	1	..	..	1	..	1	1	2	2	2	1	1	2	2	4	4	1	2	24
II. OTHER GENERAL DISEASES.																																										
1. Pyaemia and Septicaemia	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
2. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Tuberculosis and Scrofula	2	4	..	1	1	1	3	3	..	..	..	..	..	..	..	1	1	..	1	..	..	..	1	1	1	..	..	..	..	..	2	2	..	..	..	..	1	..	..	1	6
4. Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Cancer	1	3	..	2	2	..	..	4	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	1	..	..	..	..	..	2	1	1	..	..	..	..	..	..	4
6. Rheumatism and Gout	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7. Diabetes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Other General Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Alcoholism, Acute and Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	7	....	7	3	1	3	7	1	..	..	..	..	..	..	1	1	..	2	1	..	..	2	1	1	..	1	..	..	..	2	2	2	1	1	..	1	....	1	11
Local Diseases.																																										
III. NERVOUS SYSTEM.																																										
1. Encephalitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Simple Meningitis	4	2	..	5	....	1	4	....	2	3	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	2	1	..	..	1	1	6
3. Epidemic Cerebro-spinal Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Congestion and Hemorrhage of Brain	1	1	..	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	2
5. Softening of the Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Paralysis without specified cause	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
7. Insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Epilepsy	2	..	..	1	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	2
9. Convulsions (not puerperal)	6	3	1	10	..	..	10	..	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	1	1	..	..	..	2	..	1	1	..	10
10. Other Nervous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	14	6	1	17	1	3	16	1	4	12	1	..	..	..	..	..	..	1	..	1	..	..	1	2	..	1	..	2	4	..	3	2	2	2	1	3	..	1	2	1	21

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SAULT STE. MARIE.—*Concluded.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IX. THE SKIN.																																									
1 Erysipelas																																									
2 Skin and Adnexa (cancer excepted)		1		1				1														1																1		1
Total		1		1				1														1																1		1
X. LOCOMOTOR SYSTEM.																																									
1. Pott's Disease																																									
2. Diseases of the Bones and Joints																																									
3. Amputation (for unspecified diseases																																									
Total																																									
XI. MALFORMATIONS, ETC.																																									
1. Still-births	2	1		3			3			3																				1						1		1		3
2. Congen. Debility and Malformations	10	7	1	18			18			18																1		3	2	4				1	2	1		1		18
3. Other Diseases of Infancy	2			2			2				2																								1					2
4. Senile Decay	2			1	1				2																1	1		1							1					2
Total	16	8	1	24	1		23		2	21	2														1	1		5	1	3	2	4			3	4	1		2	25
XII. SUICIDE.																																									
1. Poison																																									
2. Strangulation																																									
3. Gas Poisoning																																									
4. Drowning																																									
5. Firearms																																									
Total																																									
XIII. ACCIDENTS.																																									
1. Fractures and Dislocations	11			1	10	3			14									6		1		1	1			5	2		1		3	1	2	1	2	1	1		14
2. Gunshot	3			1	1	1	1		2										1	1						1		1						2					3
3. Drowning	1			1	2	1	2	1	1									2				1				1				1				1	1		1		4
4. Electric Cars																																									
5. Railways	2				1	1	1		1									1								1				1							1		2
6. Burns and Scalds																																									
7. Homicide	1			1			1																			1				1									1
Total	24			4	14	6	5	1	18									9	1	2		1	1	1		9	2	1	2	1	1	3	1	2	2	5	1	3		24
XIV. ILL DEFINED CAUSES.																																									
1. Dropsy	1				1				1																1					1									1
2. Tumors		1				1	1											1																					1
3. Other Ill-defined Causes	4	4		4	1	3	3	1	4	2																6			1		1	1	1	2		1			8
Total	5	5		4	2	4	4	1	5	2								1						1	6			2		2		1	1	2		1			10
Total from all causes	126	75	2	133	43	27	421	28	54	77	6	5	6	1	5	3	4	17	11	11	6	4	6	7	7	5	3	19	17	7	20	14	17	17	9	26	29	21	6	20	203

CAUSES OF DEATHS BY TOWNS, IN 1902.—TORONTO JUNCTION.—Population, 6,151.

General Diseases.	Sex.			Nativity.			Social con.			Ages.																						Months.												Total.
										Under 5.																																		
	Male.	Female.	Not stated.	Canada.	Foreign.	Not stated.	Single.	Married.	Not stated.	0.	1.	2.	3.	4.	5–9.	10–14.	15–19.	20–24.	25–29.	30–34.	35–39.	40–44.	45–49.	50–59.	60–69.	70–79.	80 and over.	Not given.	Jan.	Feb.	March	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
I. COMMUNICABLE DISEASES.																																										
1. Typhoid Fever	....	2	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	2
2. Smallpox	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Measles	1	....	....	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1
4. Scarlet Fever	....	2	....	2	....	....	2	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	2
5. Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Diphtheria and Croup	2	3	....	5	....	....	5	....	....	....	....	1	....	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	1	....	2	....	5
7. Influenza	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Other Epidemic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	3	7	....	9	1	....	8	2	....	....	....	2	....	2	3	1	....	....	1	....	....	....	....	1	....	....	....	....	3	1	1	....	1	....	....	1	....	2	1	10
II. OTHER GENERAL DISEASES.																																										
1. Pyæmia and Septicæmia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Tuberculosis and Scrofula	1	1	....	2	....	....	1	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	2
4. Syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Cancer	3	5	....	8	....	....	5	3	....	2	....	....	....	....	....	....	....	1	....	1	1	1	1	1	....	1	....	....	1	....	1	1	....	....	2	1	....	1	1	8
6. Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Diabetes	1	7	....	6	2	....	....	8	....	....	....	....	....	....	....	....	....	....	....	1	1	....	3	1	2	....	....	....	1	....	....	....	....	1	1	....	1	2	1	8
8. Other General Diseases	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1
9. Alcoholism, Acute and Chronic	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1
Total	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1
Local Diseases.	7	11	....	18	3	....	6	15	....	2	....	....	....	....	....	1	....	1	....	2	2	3	1	6	1	2	....	....	2	....	1	1	....	3	2	2	2	2	4	2	21
III. NERVOUS SYSTEM.																																										
1. Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Simple Meningitis	....	2	....	2	....	....	2	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	2
3. Epidemic Cerebro-spinal Meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Congestion and Hemorrhage of Brain	2	....	....	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	1	....	....	2
5. Softening of the Brain	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Paralysis without specified cause	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1
7. Insanity	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Convulsions (not puerperal)	4	1	....	5	....	....	5	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	1	....	....	....	1	....	5
10. Other Nervous Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	7	3	....	9	1	....	7	3	....	5	1	....	....	1	....	....	....	....	....	1	....	....	....	....	1	....	1	....	....	1	....	1	1	2	1	1	....	1	2	10

TORONTO JUNCTION.—*Continued.*

Number of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
IV. CIRCULATORY SYSTEM.																																									
1. Pericarditis																																									
2. Endocarditis	1	1		1	1		1	1							1											1					2								2
3. Organic Heart Diseases	2	2		3	1			1														1		3				2		1	1								4
4. Angina Pectoris	1	1			2			2															1	1						1								1		2
5. Arteries, Atheroma, Aneurism etc.																																								
6. Other Diseases of Circulatory System		1		1				1															1															1		1
Total	1	5		5	4		1	8							1							1	2	4		1		2		2	3					1	1		9
V. RESPIRATION.																																								
1. Acute Bronchitis	1			1			1				1																		1										1
2. Chronic Bronchitis																																								
3. Broncho-pneumonia																																								
4. Pneumonia	6	3		6	3		5	6		3									2	1			1			1	1		1		3	1	1				2	1	9
5. Pleurisy																																								
6. Congestion of the Lungs																																								
7. Asthma and Emphysema																																								
8. Other Diseases of Respiratory System																																								
Total	7	3		7	3		4	6		3	1								2	1			1			1	1		1	1	3	1	1				2	1	10
VI. DIGESTIVE SYSTEM.																																								
1. Ulcer of the Stomach																																								
2. Other Diseases of Stomach (cancer excepted)	1			1			1				1																							1					1
3. Infan. Diarr. and Cholera Infantum	2			2			2			1	1																										2		2
4. Diarrhœa and Enteritis (not infantile)																																								
5. Dysentery																																								
6. Hernia and Intestinal obstructions	2			2			2									1	1																	1		1			2
7. Diseases of the Liver																																								
8. Peritonitis (not puerperal)																																								
9. Iliac Abscess and Appendicitis																																								
Total	5			5			5			1	2					1	1																	1	1		1			5
VII. GENITO-URINARY SYSTEM.																																								
1. Acute Nephritis																																								
2. Bright's Disease		2		2			1	1															1	1						1								1		2
3. Other Diseases of Kidneys and Adnexa	1			1				1														1									1								1
4. Vesical Calculi																																								
5. Diseases of the Bladder																																								
6. Diseases of the Male Genital Organs																																								
7. Metritis																																								
8. Other Diseases of the Uterus																																								
9. Ovarian Cysts and Ovarian Tumors																																								
10. Other Diseases of Female Genital Organs																																								
Total	1	2		3			1	2														1	1	1						1	1						1		3

	54	48	79	22	1	54	48	32	4	2	3	5	1	1	2	5	4	7	4	11	7	6	5	12	4	8	11	8	8	7	5	9	6	11	13	102
VIII. PUERPERAL DISEASES.																																				
1. Puerperal Septicæmia																																				
2. Puerperal Albuminuria and Convulsions																																				
3. Other Accidents of Pregnancy																																				
Total																																				
IX. THE SKIN.																																				
1. Erysipelas																																			1	
2. Skin and Adnexa (cancer excepted)	1				1																1						1								
Total	1				1																1						1							1	
X. LOCOMOTOR SYSTEM.																																				
1. Pott's Disease																																				
2. Diseases of the Bones and Joints																																				
3. Amputation (for unspecified Diseases)																																				
Total																																				
XI. MALFORMATIONS, ETC.																																				
1. Still Births	6	4		10			10			10														2	1	2		3	1		1		1	2	10
2. Congenital Debility and Malformations	7	3		10			10			10														2	1	2		1		2	1		1		10
3. Other Diseases of Infancy			5		1	1		5																											5	
4. Senile Decay				1																				2	3		1									
Total	13	7	5	21	1	1	20	5		20														4	5	2		3	2	2	1		2	1	3	25
XII. SUICIDE.																																				
1. Poison																																				
2. Strangulation																																				
3. Drowning																																				
4. Other Methods																																				
Total																																				
XIII. ACCIDENTS.																																				
1. Fractures and Dislocations			1			1			1													1						1							1	
2. Gunshot																																				
3. Lightning																																				
4. Drowning																																				
5. Railways																																				
6. Burns and Scalds																																				
7. Other accidents			5			2	1	2	3		1				1				2		1						1	1							5
Total			6			3	1	2	4		1				1				2		1						2	1						1	6
XIV. ILL-DEFINED CAUSES																																				
1. Dropsy																																				
2. Tumours																																				
3. Other Ill-defined Causes																																				
Total																																				
Total from all causes																																				

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